

February 21, 2017

Chair
Klarissa J. Peña
City of Albuquerque
Councilor, District 3

Vice Chair
Debbie O'Malley
County of Bernalillo
Commissioner, District 1

Richard J. Berry
City of Albuquerque
Mayor

Pat Davis
City of Albuquerque
Councilor, District 6

Maggie Hart Stebbins
County of Bernalillo
Commissioner, District 3

Wayne Johnson
County of Bernalillo
Commissioner, District 5

Trudy E. Jones
City of Albuquerque
Councilor, District 8

Ex-Officio Member
Pablo R. Rael
Village of Los Ranchos
Board Trustee

Executive Director
Mark S. Sanchez

Website
www.abcwua.org

Dorothy Brown (6WQ-PO)
U.S. Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Via USPS Priority Mail: Signature Confirmation Receipt

SUBJECT: Renewal Application for NPDES Permit No. NM0022250

Dear Ms. Brown:

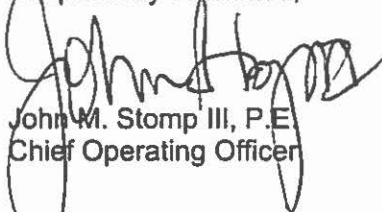
Enclosed please find two (2) copies of the permit renewal application for the Albuquerque Bernalillo County Water Utility (Water Authority) Southside Water Reclamation Plant (SWRP) Permit No. NM0022250. The permit expires September 30, 2017.

Enclosure 1 includes the completed Form 2A and Form 2S and supplemental appendices.

The Water Authority requests that EPA consider modifying some of the permit conditions. A list of specific modifications is included in Enclosure 2 of this letter.

Thank you for your consideration of our comments. We appreciate the opportunity to meet with EPA Region 6 representatives to discuss the permit application. Should you have questions in the meanwhile, please contact me at (505) 289-3150.

Respectfully submitted,



John M. Stomp III, P.E.
Chief Operating Officer

Enclosures

cc: Bruce Yurdin, NMED
J. Robert Benavides, Governor, Pueblo of Isleta
Ramona Montoya, Environment Division Manager, Pueblo of Isleta

Enclosure 1

Albuquerque Bernalillo County Water Utility
Authority

National Pollutant Discharge Elimination
System (NPDES) Permit Application
for the

Southside Water Reclamation Plant

Permit No. NM0022250

February 2017

Southside Water Reclamation Plant NM0022250

FORM
2A
NPDES**NPDES FORM 2A APPLICATION OVERVIEW****APPLICATION OVERVIEW**

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants.** All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd.** All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification.** All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data.** A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data.** A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes.** A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. Combined Sewer Systems.** A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

BASIC APPLICATION INFORMATION

PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.

A.1. Facility Information.

Facility name Southside Water Reclamation PlantMailing Address 4201 2nd Street SW
Albuquerque, NM 87105Contact person Charles S. Leder, P.E.Title Plant Operations Division ManagerTelephone number (505) 289-3401Facility Address 4201 2nd Street SW, Albuquerque NM 87105

(not P.O. Box) _____

A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name Albuquerque Bernalillo County Water Utility AuthorityMailing Address PO Box 568
Albuquerque, NM 87103-0568Contact person John M. Stomp III, P.E.Title Chief Operating OfficerTelephone number (505) 289-3150

Is the applicant the owner or operator (or both) of the treatment works?

☒ owner ☒ operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

☒ facility ☐ applicant

A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES NM0022250PSD n/aUIC n/aOther DP-521 and DP-1308 GW Discharge PermitsRCRA n/aOther SWM-010229

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	Type of Collection System	Ownership
City of Albuquerque/Bernalillo Cnty	658,238	Separate	Municipal
_____	_____	_____	_____
_____	_____	_____	_____
Total population served		658,238	

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

A.5. Indian Country.

- a. Is the treatment works located in Indian Country?

☐ Yes ☒ No

- b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

☒ Yes ☐ No

A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

- a. Design flow rate
- 76.00
- mgd

	Two Years Ago	Last Year	This Year
b. Annual average daily flow rate	<u>49.44</u>	<u>49.65</u>	<u>50.18</u> mgd
c. Maximum daily flow rate	<u>59.79</u>	<u>59.81</u>	<u>55.90</u> mgd

A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

☒ Separate sanitary sewer 100.00 %

☐ Combined storm and sanitary sewer _____ %

A.8. Discharges and Other Disposal Methods.

- a. Does the treatment works discharge effluent to waters of the U.S.?
- ☒
- Yes
- ☐
- No

If yes, list how many of each of the following types of discharge points the treatment works uses:

i. Discharges of treated effluent 1

ii. Discharges of untreated or partially treated effluent 0

iii. Combined sewer overflow points 0

iv. Constructed emergency overflows (prior to the headworks) 0

v. Other n/a 0

- b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.?
- ☐
- Yes
- ☒
- No

If yes, provide the following for each surface impoundment:

Location: _____

Annual average daily volume discharged to surface impoundment(s) _____ mgd

Is discharge _____ continuous or _____ intermittent?

- c. Does the treatment works land-apply treated wastewater?
- ☒
- Yes
- ☐
- No

If yes, provide the following for each land application site:

Location: SEE APPENDIX A for addresses, monthly usage and map of locationsNumber of acres: approximately 260 acresAnnual average daily volume applied to site: 0.5 (all sites) MgdIs land application _____ continuous or ☒ intermittent?

- d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works?
- ☐
- Yes
- ☒
- No

FACILITY NAME AND PERMIT NUMBER:Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).

If transport is by a party other than the applicant, provide:

Transporter name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

For each treatment works that receives this discharge, provide the following:

Name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

If known, provide the NPDES permit number of the treatment works that receives this discharge. _____

Provide the average daily flow rate from the treatment works into the receiving facility. _____

mgd

- e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)?

____ Yes

☒ No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method: _____

Is disposal through this method _____ continuous or _____ intermittent?

WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

- a. Outfall number 001
- b. Location Albuquerque 87105
(City or town, if applicable) (Zip Code)
Bernalillo NM
(County) (State)
35 01 04 106 40 13
(Latitude) (Longitude)
- c. Distance from shore (if applicable) 0.00 ft.
- d. Depth below surface (if applicable) 0.00 ft.
- e. Average daily flow rate 50.18 mgd
- f. Does this outfall have either an intermittent or a periodic discharge?
_____ Yes _____ ☒ No (go to A.9.g.)
- If yes, provide the following information:
- Number of times per year discharge occurs: _____
- Average duration of each discharge: _____
- Average flow per discharge: _____ mgd
- Months in which discharge occurs: _____
- g. Is outfall equipped with a diffuser? _____ Yes _____ ☒ No

- a. Name of receiving water Rio Grande
- b. Name of watershed (if known) Rio Grande Basin
- United States Soil Conservation Service 14-digit watershed code (if known): _____
- c. Name of State Management/River Basin (if known): Middle Rio Grande
- United States Geological Survey 8-digit hydrologic cataloging unit code (if known): 13020203
- d. Critical low flow of receiving stream (if applicable):
acute _____ cfs chronic _____ cfs
- e. Total hardness of receiving stream at critical low flow (if applicable): _____ mg/l of CaCO₃

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

A.11. Description of Treatment.

- a. What levels of treatment are provided? Check all that apply.

☒ Primary☒ Secondary☐ Advanced☐ Other. Describe: _____

- b. Indicate the following removal rates (as applicable):

Design BOD₅ removal or Design CBOD₅ removal 96 %

Design SS removal 92 %

Design P removal %

Design N removal 74 %

Other %

- c. What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe.

Ultraviolet Disinfection

If disinfection is by chlorination, is dechlorination used for this outfall?

☐ Yes☐ No

- d. Does the treatment plant have post aeration?

☐ Yes☒ No

A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.

Outfall number: 001

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)	6.6	s.u.			
pH (Maximum)	7.3	s.u.			
Flow Rate	55.90	MGD	50.18	MGD	365
Temperature (Winter) (Dec - Feb)	21.7	C	19.1	C	91
Temperature (Summer) (Jun - Aug)	30.1	C	28.5	C	92

* For pH please report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		

CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.

BIOCHEMICAL OXYGEN DEMAND (Report one)	BOD-5						
	CBOD-5	6.8	mg/L	< 2.9	mg/L	365	SM5210B
FECAL COLIFORM (E. Coli)		2419	#/100mL	< 14.8	#/100mL	365	SM9223D
TOTAL SUSPENDED SOLIDS (TSS)		15	mg/L	7.2	mg/L	365	SM2540D

END OF PART A.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

Southside Water Reclamation Plant NM0022250

BASIC APPLICATION INFORMATION

All applicants with a design flow rate > 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).

B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.

unknown gpd

Briefly explain any steps underway or planned to minimize inflow and infiltration.

The collection system has not experienced any SSO due to I&I or wet weather. Potential reasons include ongoing Water Authority rehabilitation projects for interceptors and small diameter pipes.

B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

SEE APPENDIX B

- a. The area surrounding the treatment plant, including all unit processes.
- b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- c. Each well where wastewater from the treatment plant is injected underground.
- d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- f. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram. **SEE APPENDIX C**

B.4. Operation/Maintenance Performed by Contractor(s).

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? Yes ☐ No ☒

If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: _____

Mailing Address: _____

Telephone Number: _____

Responsibilities of Contractor:

B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

- a. List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.
001
- b. Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.
☒ Yes ☐ No SEE ADMINISTRATIVE ORDER CWA 06-2015-1733

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

- c If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

Plant renovation includes civil, mechanical, and electrical work.

- d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule MM / DD / YYYY	Actual Completion MM / DD / YYYY	
- Begin construction	<u> / / </u>	<u> / / </u>	SEE ADMINISTRATIVE ORDER CWA 06-2015-1733 AND DECEMBER 2016 PROGRESS REPORT
- End construction	<u> / / </u>	<u> / / </u>	
- Begin discharge	<u> / / </u>	<u> / / </u>	
- Attain operational level	<u> / / </u>	<u> / / </u>	

- e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? ☒ Yes ☐ No

Describe briefly: Ongoing Capital Improvement Projects

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: 001

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)	1.7	mg/L	0.2	mg/L	365	EPA 350.1	0.02 mg/L
CHLORINE (TOTAL RESIDUAL, TRC)	0	mg/L	0	mg/L	365	SM4500 CL G	0.03 mg/L
DISSOLVED OXYGEN	7.1	mg/L	5.8	mg/L	365	Hach 10360	1.0 mg/L
TOTAL KJELDAHL NITROGEN (TKN)	9.1	mg/L	< 2.2	mg/L	39	SM 4500 NorgC	1.0 mg/L
NITRATE PLUS NITRITE NITROGEN	8.4	mg/L	5.2	mg/L	365	SM 4110 B	0.1 mg/L
OIL and GREASE	57	mg/L	< 5	mg/L	34	EPA 1664 A	5.0 mg/L
PHOSPHORUS (Total)	5.8	mg/L	2.6	mg/L	39	EPA 345.1	0.01 mg/L
TOTAL DISSOLVED SOLIDS (TDS)	860	mg/L	547	mg/L	39	SM 2540 C	10 mg/L
OTHER							

END OF PART B.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**BASIC APPLICATION INFORMATION****PART C. CERTIFICATION**

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:



Basic Application Information packet

Supplemental Application Information packet:



Part D (Expanded Effluent Testing Data)



Part E (Toxicity Testing: Biomonitoring Data)



Part F (Industrial User Discharges and RCRA/CERCLA Wastes)



Part G (Combined Sewer Systems)

ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title John M. Stomp III, P.E., Chief Operating OfficerSignature Telephone number (505) 299-3150Date signed 2/21/17

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**SUPPLEMENTAL APPLICATION INFORMATION****PART D. EXPANDED EFFLUENT TESTING DATA**

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
METALS (TOTAL RECOVERABLE), CYANIDE, PHENOLS, AND HARDNESS.											
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM											
CHROMIUM											
COPPER											
LEAD											
MERCURY											
NICKEL											
SELENIUM											
SILVER											
THALLIUM											
ZINC											
CYANIDE											
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (AS CaCO ₃)											
Use this space (or a separate sheet) to provide information on other metals requested by the permit writer.											

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
VOLATILE ORGANIC COMPOUNDS.											
ACROLEIN											
ACRYLONITRILE											
BENZENE											
BROMOFORM											
CARBON TETRACHLORIDE											
CLOROBENZENE											
CHLORODIBROMO-METHANE											
CHLOROETHANE											
2-CHLORO-ETHYL VINYL ETHER											
CHLOROFORM			SEE APPENDIX D								
DICHLOROBROMO-METHANE											
1,1-DICHLOROETHANE											
1,2-DICHLOROETHANE											
TRANS-1,2-DICHLORO-ETHYLENE											
1,1-DICHLOROETHYLENE											
1,2-DICHLOROPROPANE											
1,3-DICHLORO-PROPYLENE											
ETHYLBENZENE											
METHYL BROMIDE											
METHYL CHLORIDE											
METHYLENE CHLORIDE											
1,1,2,2-TETRACHLORO-ETHANE											
TETRACHLORO-ETHYLENE											
TOLUENE											

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLOROETHYLENE											
VINYL CHLORIDE											

Use this space (or a separate sheet) to provide information on other volatile organic compounds requested by the permit writer.

ACID-EXTRACTABLE COMPOUNDS

P-CHLORO-M-CRESOL											
2-CHLOROPHENOL			SEE APPENDIX D								
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL											
2,4-DINITROPHENOL											
2-NITROPHENOL											
4-NITROPHENOL											
PENTACHLOROPHENOL											
PHENOL											
2,4,6-TRICHLOROPHENOL											

Use this space (or a separate sheet) to provide information on other acid-extractable compounds requested by the permit writer.

BASE-NEUTRAL COMPOUNDS.

ACENAPHTHENE											
ACENAPHTHYLENE											
ANTHRACENE											
BENZIDINE											
BENZO(A)ANTHRACENE											
BENZO(A)PYRENE											

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

Outfall number: _____ (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
3,4 BENZO-FLUORANTHENE											
BENZO(GH)PERYLENE											
BENZO(K)FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLOROISO-PROPYL) ETHER											
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER			SEE APPENDIX D								
BUTYL BENZYL PHTHALATE											
2-CHLORONAPHTHALENE											
4-CHLORPHENYL PHENYL ETHER											
CHRYSENE											
DI-N-BUTYL PHTHALATE											
DI-N-OCTYL PHTHALATE											
DIBENZO(A,H) ANTHRACENE											
1,2-DICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE											
DIMETHYL PHTHALATE											
2,4-DINITROTOLUENE											
2,6-DINITROTOLUENE											
1,2-DIPHENYLHYDRAZINE											

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
FLUORANTHENE											
FLUORENE											
HEXACHLOROBENZENE											
HEXACHLOROBUTADIENE			SEE APPENDIX D								
HEXACHLOROCYCLO-PENTADIENE											
HEXACHLOROETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE											
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI- METHYLAMINE											
N-NITROSODI-PHENYLAMINE											
PHENANTHRENE											
PYRENE											
1,2,4-TRICHLOROBENZENE											

Use this space (or a separate sheet) to provide information on other base-neutral compounds requested by the permit writer.

Use this space (or a separate sheet) to provide information on other pollutants (e.g., pesticides) requested by the permit writer.

END OF PART D.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

Southside Water Reclamation Plant NM0022250

SUPPLEMENTAL APPLICATION INFORMATION**PART E. TOXICITY TESTING DATA**

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods. If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

If no biomonitoring data is required, do not complete Part E. Refer to the Application Overview for directions on which other sections of the form to complete.

E.1. Required Tests.

Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years.

17 chronic acute **PREVIOUSLY SUBMITTED. SEE SUMMARY WITH INFORMATION REQUESTED IN PART E.4.**

E.2. Individual Test Data. Complete the following chart for each whole effluent toxicity test conducted in the last four and one-half years. Allow one column per test (where each species constitutes a test). Copy this page if more than three tests are being reported.

Test number: _____ Test number: _____ Test number: _____

a. Test information.

Test species & test method number			
Age at initiation of test			
Outfall number			
Dates sample collected			
Date test started			
Duration			

b. Give toxicity test methods followed.

Manual title			
Edition number and year of publication			
Page number(s)			

c. Give the sample collection method(s) used. For multiple grab samples, indicate the number of grab samples used.

24-Hour composite			
Grab			

d. Indicate where the sample was taken in relation to disinfection. (Check all that apply for each)

Before disinfection			
After disinfection			
After dechlorination			

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM022250

Form Approved 1/14/99
OMB Number 2040-0086

Chronic:

NOEC			
IC ₂₅			
Control percent survival			
Other (describe)			

m. Quality Control/Quality Assurance.

Is reference toxicant data available?			
Was reference toxicant test within acceptable bounds?			
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			

E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation?

☐ Yes ☒ No If yes, describe: _____

E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results.

Date submitted: _____ (MM/DD/YYYY)

Summary of results: (see instructions)

SEE SUMMARY IN APPENDIX E.

END OF PART E.**REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.**

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**SUPPLEMENTAL APPLICATION INFORMATION****PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES**

All treatment works receiving discharges from significant industrial users or which receive RCRA, CERCLA, or other remedial wastes must complete Part F.

GENERAL INFORMATION:

F.1. Pretreatment Program. Does the treatment works have, or is it subject to, an approved pretreatment program?

☒ Yes ☐ No

F.2. Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of industrial users that discharge to the treatment works.

a. Number of non-categorical SIUs. 19

b. Number of CIUs. 37

SIGNIFICANT INDUSTRIAL USER INFORMATION:

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and provide the information requested for each SIU.

F.3. Significant Industrial User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages as necessary.

Name: SEE APPENDIX F

Mailing Address: _____

F.4. Industrial Processes. Describe all of the industrial processes that affect or contribute to the SIU's discharge.

F.5. Principal Product(s) and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Principal product(s): _____

Raw material(s): _____

F.6. Flow Rate.

a. Process wastewater flow rate. Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

_____ gpd (☐ continuous or ☐ intermittent)

b. Non-process wastewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

_____ gpd (☐ continuous or ☐ intermittent)

F.7. Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local limits ☐ Yes ☐ No

b. Categorical pretreatment standards ☐ Yes ☐ No

If subject to categorical pretreatment standards, which category and subcategory?

FACILITY NAME AND PERMIT NUMBER:Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

F.8. Problems at the Treatment Works Attributed to Waste Discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

☐ Yes ☒ No

If yes, describe each episode.

RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE:

F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail, or dedicated pipe? ☐ Yes ☒ No (go to F.12.)

F.10. Waste Transport. Method by which RCRA waste is received (check all that apply):

☐ Truck☐ Rail☐ Dedicated Pipe

F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units).

EPA Hazardous Waste NumberAmountUnits**CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER:**

F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities?

☐ Yes (complete F.13 through F.15.)☒ No

Provide a list of sites and the requested information (F.13 - F.15.) for each current and future site.

F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is expected to originate in the next five years).

F.14. Pollutants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary).

F.15. Waste Treatment.

a. Is this waste treated (or will it be treated) prior to entering the treatment works?

☐ Yes ☐ No

If yes, describe the treatment (provide information about the removal efficiency):

b. Is the discharge (or will the discharge be) continuous or intermittent?

☐ Continuous☐ Intermittent

If intermittent, describe discharge schedule.

END OF PART F.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

SUPPLEMENTAL APPLICATION INFORMATION

PART G. COMBINED SEWER SYSTEMS

If the treatment works has a combined sewer system, complete Part G.

G.1. System Map. Provide a map indicating the following: (may be included with Basic Application Information)

- All CSO discharge points.
- Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters).
- Waters that support threatened and endangered species potentially affected by CSOs.

G.2. System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate drawing, of the combined sewer collection system that includes the following information:

- Locations of major sewer trunk lines, both combined and separate sanitary.
- Locations of points where separate sanitary sewers feed into the combined sewer system.
- Locations of in-line and off-line storage structures.
- Locations of flow-regulating devices.
- Locations of pump stations.

CSO OUTFALLS:

Complete questions G.3 through G.6 once for each CSO discharge point.

G.3. Description of Outfall. NOT APPLICABLE

- Outfall number _____
- Location _____
(City or town, if applicable) (Zip Code) _____
(County) (State) _____
(Latitude) (Longitude) _____
- Distance from shore (if applicable) _____ ft.
- Depth below surface (if applicable) _____ ft.
- Which of the following were monitored during the last year for this CSO?
 ____ Rainfall ____ CSO pollutant concentrations ____ CSO frequency
 ____ CSO flow volume ____ Receiving water quality
- How many storm events were monitored during the last year? _____

G.4. CSO Events.

- Give the number of CSO events in the last year.
_____ events (____ actual or ____ approx.)
- Give the average duration per CSO event.
_____ hours (____ actual or ____ approx.)

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

- c. Give the average volume per CSO event.

_____million gallons (_____actual or _____approx.)

- d. Give the minimum rainfall that caused a CSO event in the last year.

_____inches of rainfall

G.5. Description of Receiving Waters.

- a. Name of receiving water: _____

- b. Name of watershed/river/stream system: _____

United States Soil Conservation Service 14-digit watershed code (if known): _____

- c. Name of State Management/River Basin: _____

United States Geological Survey 8-digit hydrologic cataloging unit code (if known): _____

G.6. CSO Operations.

Describe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or intermittent shell fish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable State water quality standard).

END OF PART G.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**FORM
2S
NPDES****NPDES FORM 2S APPLICATION OVERVIEW****PRELIMINARY INFORMATION**

This page is designed to indicate whether the applicant is to complete Part 1 or Part 2. Review each category, and then complete Part 1 or Part 2, as indicated. For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

FACILITIES INCLUDED IN ANY OF THE FOLLOWING CATEGORIES MUST COMPLETE PART 2 (PERMIT APPLICATION INFORMATION).

1. Facilities with a currently effective NPDES permit.
2. Facilities which have been directed by the permitting authority to submit a full permit application at this time.

ALL OTHER FACILITIES MUST COMPLETE PART 1 (LIMITED BACKGROUND INFORMATION).

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**PART 1: LIMITED BACKGROUND INFORMATION**

This part should be completed only by "sludge-only" facilities - that is, facilities that do not currently have, and are not applying for, an NPDES permit for a direct discharge to a surface body of water.

For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

1. Facility Information.

- a. Facility name _____
b. Mailing Address _____

c. Contact person _____
Title _____
Telephone number _____
d. Facility Address (not P.O. Box) _____

e. Indicate the type of facility
_____ Publicly owned treatment works (POTW) _____ Privately owned treatment works
_____ Federally owned treatment works _____ Blending or treatment operation
_____ Surface disposal site _____ Sewage sludge incinerator
_____ Other (describe) _____

2. Applicant Information.

- a. Applicant name _____
b. Mailing Address _____

c. Contact person _____
Title _____
Telephone number _____
d. Is the applicant the owner or operator (or both) of this facility?
_____ owner _____ operator
e. Should correspondence regarding this permit be directed to the facility or the applicant?
_____ facility _____ applicant

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

 Form Approved 1/14/99
 OMB Number 2040-0086

3. Sewage Sludge Amount. Provide the total dry metric tons per latest 365 day period of sewage sludge handled under the following practices:

- | | |
|--|-----------------------|
| a. Amount generated at the facility | _____ dry metric tons |
| b. Amount received from off site | _____ dry metric tons |
| c. Amount treated or blended on site | _____ dry metric tons |
| d. Amount sold or given away in a bag or other container for application to the land | _____ dry metric tons |
| e. Amount of bulk sewage sludge shipped off site for treatment or blending | _____ dry metric tons |
| f. Amount applied to the land in bulk form | _____ dry metric tons |
| g. Amount placed on a surface disposal site | _____ dry metric tons |
| h. Amount fired in a sewage sludge incinerator | _____ dry metric tons |
| i. Amount sent to a municipal solid waste landfill | _____ dry metric tons |
| j. Amount used or disposed by another practice | _____ dry metric tons |

Describe _____

4. Pollutant Concentrations. Using the table below or a separate attachment, provide existing sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR part 503 for this facility's expected use or disposal practices. If available, base data on three or more samples taken at least one month apart and no more than four and one-half years old.

POLLUTANT	CONCENTRATION (mg/kg dry weight)	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS

5. Treatment Provided At Your Facility.

- a. Which class of pathogen reduction does the sewage sludge meet at your facility?

_____ Class A _____ Class B _____ Neither or unknown

- b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**c. Which vector attraction reduction option is met for the sewage sludge at your facility?**

- ☐ Option 1 (Minimum 38 percent reduction in volatile solids)
☐ Option 2 (Anaerobic process, with bench-scale demonstration)
☐ Option 3 (Aerobic process, with bench-scale demonstration)
☐ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
☐ Option 5 (Aerobic processes plus raised temperature)
☐ Option 6 (Raise pH to 12 and retain at 11.5)
☐ Option 7 (75 percent solids with no unstabilized solids)
☐ Option 8 (90 percent solids with unstabilized solids)
☐ Option 9 (Injection below land surface)
☐ Option 10 (Incorporation into soil within 6 hours)
☐ Option 11 (Covering active sewage sludge unit daily)
☐ None or unknown

d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:

6. Sewage Sludge Sent to Other Facilities. Does the sewage sludge from your facility meet the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements, and one of the vector attraction options 1-8?☐ Yes ☐ No**If yes, go to question 8 (Certification).****If no, is sewage sludge from your facility provided to another facility for treatment, distribution, use, or disposal?**☐ Yes ☐ No**If no, go to question 7 (Use and Disposal Sites).****If yes, provide the following information for the facility receiving the sewage sludge:****a. Facility name****b. Mailing address****c. Contact person**

Title

Telephone number

d. Which activities does the receiving facility provide? (Check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Treatment or blending | <input type="checkbox"/> Sale or give-away in bag or other container |
| <input type="checkbox"/> Land application | <input type="checkbox"/> Surface disposal |
| <input type="checkbox"/> Incineration | <input type="checkbox"/> Other (describe): |

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**7. Use and Disposal Sites.** Provide the following information for each site on which sewage sludge from this facility is used or disposed:

a. Site name or number _____

b. Contact person _____

Title _____

Telephone _____

c. Site location (Complete 1 or 2)

1. Street or Route # _____

County _____

City or Town _____ State _____ Zip _____

2. Latitude _____ Longitude _____

d. Site type (Check all that apply)

☐ Agricultural☐ Lawn or home garden☐ Forest☐ Surface disposal☐ Public Contact☐ Incineration☐ Reclamation☐ Municipal Solid Waste Landfill☐ Other (describe): _____**8. Certification.** Sign the certification statement below. (Refer to instructions to determine who is an officer for purposes of this certification.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title _____

Signature _____

Telephone number _____

Date signed _____

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**PART 2: PERMIT APPLICATION INFORMATION**

Complete this part if you have an effective NPDES permit or have been directed by the permitting authority to submit a full permit application at this time. In other words, complete this part if your facility has, or is applying for, an NPDES permit.

For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

APPLICATION OVERVIEW — SEWAGE SLUDGE USE OR DISPOSAL INFORMATION

Part 2 is divided into five sections (A-E). Section A pertains to all applicants. The applicability of Sections B, C, D, and E depends on your facility's sewage sludge use or disposal practices. The information provided on this page indicates which sections of Part 2 to fill out.

1. SECTION A: GENERAL INFORMATION.

Section A must be completed by all applicants

2. SECTION B: GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE.

Section B must be completed by applicants who either:

- 1) Generate sewage sludge, or
- 2) Derive a material from sewage sludge.

3. SECTION C: LAND APPLICATION OF BULK SEWAGE SLUDGE.

Section C must be completed by applicants who either:

- 1) Apply sewage to the land, or
- 2) Generate sewage sludge which is applied to the land by others.

NOTE: Applicants who meet either or both of the two above criteria are exempted from this requirement if all sewage sludge from their facility falls into one of the following three categories:

- 1) The sewage sludge from this facility meets the ceiling and pollutant concentrations, Class A pathogen reduction requirements, and one of vector attraction reduction options 1-8, as identified in the instructions, or
- 2) The sewage sludge from this facility is placed in a bag or other container for sale or give-away for application to the land, or
- 3) The sewage sludge from this facility is sent to another facility for treatment or blending.

4. SECTION D: SURFACE DISPOSAL

Section D must be completed by applicants who own or operate a surface disposal site.

5. SECTION E: INCINERATION

Section E must be completed by applicants who own or operate a sewage sludge incinerator.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**A. GENERAL INFORMATION**

All applicants must complete this section.

A.1. Facility Information.

- a. Facility name Albuquerque Soils Amendment Facility
- b. Mailing Address 4201 Second St. SW
Albuquerque, NM 87105
- c. Contact person Charles S. Leder, P.E.
Title Plant Operations Division Manager
Telephone number (505) 289-3401
- d. Facility Address (not P.O. Box) 7400 Shooting Range Access Road N.W.
Albuquerque, NM 87120
- e. Is this facility a Class I sludge management facility? ☒ Yes ☐ No
- f. Facility design flow rate: 76 mgd
- g. Total population served: 658,238
- h. Indicate the type of facility:
- | | |
|---|--|
| <input checked="" type="checkbox"/> Publicly owned treatment works (POTW) | <input type="checkbox"/> Privately owned treatment works |
| <input type="checkbox"/> Federally owned treatment works | <input type="checkbox"/> Blending or treatment operation |
| <input type="checkbox"/> Surface disposal site | <input type="checkbox"/> Sewage sludge incinerator |
| <input type="checkbox"/> Other (describe) _____ | |

A.2. Applicant Information. If the applicant is different from the above, provide the following:

- a. Applicant name Albuquerque Bernalillo County Water Utility Authority
- b. Mailing Address P.O. Box 586
Albuquerque, NM 87103-0586
- c. Contact person John M. Stomp III, P.E.
Title Chief Operating Officer
Telephone number (505) 289-3150
- d. Is the applicant the owner or operator (or both) of this facility?
☒ owner ☐ operator
- e. Should correspondence regarding this permit should be directed to the facility or the applicant.
☒ facility ☐ applicant

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**A.3. Permit Information.**

NM0022250

- a. Facility's NPDES permit number (if applicable): _____
- b. List, on this form or an attachment, all other Federal, State, and local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices:

Permit Number

Type of Permit

DP-521

Ground Water

SWM-010229

Solid Waste Permit

A.4. Indian Country. Does any generation, treatment, storage, application to land, or disposal of sewage sludge from this facility occur in Indian Country?

____ Yes ☒ No If yes, describe: _____

A.5. Topographic Map. Provide a topographic map or maps (or other appropriate map(s) if a topographic map is unavailable) that show the following information. Map(s) should include the area one mile beyond all property boundaries of the facility:

- a. Location of all sewage sludge management facilities, including locations where sewage sludge is stored, treated, or disposed.
- b. Location of all wells, springs, and other surface water bodies, listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundaries.

SEE APPENDIX B

A.6. Line Drawing. Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit, including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction.

SEE APPENDIX C

A.7. Contractor Information.

Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? ____ Yes ☒ No

If yes, provide the following for each contractor (attach additional pages if necessary): _____

- a. Name _____
- b. Mailing Address _____
- c. Telephone Number _____
- d. Responsibilities of contractor _____

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

A.8. Pollution Concentrations: Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR Part 503 for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old.

POLLUTANT	CONCENTRATION* (mg/kg dry weight)	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
ARSENIC	< 3.3	SW 846 Method 6010B	13 mg/kg
CADMIUM	1.0	SW 846 Method 6010B	0.50 mg/kg
CHROMIUM	44	SW 846 Method 6010B	1.5 mg/kg
COPPER	473	SW 846 Method 6010B	1.5 mg/kg
LEAD	31	SW 846 Method 6010B	1.3 mg/kg
MERCURY	0.8	SW 846 Method 7471	0.17 mg/kg
MOLYBDENUM	21	SW 846 Method 6010B	2.0 mg/kg
NICKEL	25	SW 846 Method 6010B	21 mg/kg
SELENIUM	< 1.1	SW 846 Method 6010B	13 mg/kg
ZINC	791	SW 846 Method 6010B	13 mg/kg

* Results are average of data collected from Oct 2012 – Dec 2016. Zero was substituted for any nondetected value.

A.9. Certification. Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of Form 2S you have completed and are submitting:

_____ Part 1 Limited Background Information packet

Part 2 Permit Application Information packet:



Section A (General Information)



Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)



Section C (Land Application of Bulk Sewage Sludge)



Section D (Surface Disposal)



Section E (Incineration)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title John M. Stomp III, P.E., Chief Operating Officer

Signature

Date signed

Telephone number

(505) 289-3150

Upon request of the permitting authority, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF
A MATERIAL DERIVED FROM SEWAGE SLUDGE**

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge.

B.1. Amount Generated On Site.Total dry metric tons per 365-day period generated at your facility: 10,910 dry metric tons

B.2. Amount Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use, or disposal, provide the following information for each facility from which sewage sludge is received. If you receive sewage sludge from more than one facility, attach additional pages as necessary.

- a. Facility name _____
- b. Mailing Address _____
- c. Contact person _____
- Title _____
- Telephone number _____
- d. Facility Address (not P.O. Box) _____
- e. Total dry metric tons per 365-day period received from this facility: _____ dry metric tons
- f. Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics.
- _____
- _____

B.3. Treatment Provided At Your Facility.

- a. Which class of pathogen reduction is achieved for the sewage sludge at your facility?
- ☒ Class A ☒ Class B ☐ Neither or unknown
- b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
- Class B: Anaerobic digestion
- Class A: Composting
- c. Which vector attraction reduction option is met for the sewage sludge at your facility?
- ☒ Option 1 (Minimum 38 percent reduction in volatile solids)
- ☐ Option 2 (Anaerobic process, with bench-scale demonstration)
- ☐ Option 3 (Aerobic process, with bench-scale demonstration)
- ☐ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
- ☐ Option 5 (Aerobic processes plus raised temperature)
- ☐ Option 6 (Raise pH to 12 and retain at 11.5)
- ☐ Option 7 (75 percent solids with no unstabilized solids)
- ☐ Option 8 (90 percent solids with unstabilized solids)
- ☐ None or unknown

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

B.3. Treatment Provided At Your Facility. (con't)

- d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
- Mesophilic anaerobic digestion with > 38% TVS reduction
- e. Describe, on this form or another sheet of paper, any other sewage sludge treatment or blending activities not identified in (a) - (d) above:

Complete Section B.4 if sewage sludge from your facility meets the ceiling concentrations in Table 1 of 40 CFR 503.13, the pollutant concentrations in Table 3 of §503.13, the Class A pathogen reduction requirements in §503.32(a), and one of the vector attraction reduction requirements in § 503.33(b)(1)-(8) and is land applied. Skip this section if sewage sludge from your facility does not meet all of these criteria.

B.4. Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements, and One of Vector Attraction Reduction Options 1-8.

- a. Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land: 2853 dry metric tons
- b. Is sewage sludge subject to this section placed in bags or other containers for sale or give-away for application to the land?
- Yes ☒ No

Complete Section B.5. If you place sewage sludge in a bag or other container for sale or give-away for land application. Skip this section if the sewage sludge is covered in Section B.4.

B.5. Sale or Give-Away in a Bag or Other Container for Application to the Land.

- a. Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land: _____ dry metric tons
- b. Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land.

Complete Section B.6 if sewage sludge from your facility is provided to another facility that provides treatment or blending. This section does not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this section if the sewage sludge is covered in Sections B.4 or B.5. If you provide sewage sludge to more than one facility, attach additional pages as necessary.

B.6. Shipment Off Site for Treatment or Blending.

- a. Receiving facility name _____
- b. Mailing address _____

- c. Contact person _____
Title _____
Telephone number _____
- d. Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: _____

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**B.6. Shipment Off Site for Treatment or Blending. (con't)**

- e. Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility? ☐ Yes ☐ No

Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?

☐ Class A ☐ Class B ☐ Neither or unknown

Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge:

- f. Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge?

☐ Yes ☐ No

Which vector attraction reduction option is met for the sewage sludge at the receiving facility?

- ☐ Option 1 (Minimum 38 percent reduction in volatile solids)
☐ Option 2 (Anaerobic process, with bench-scale demonstration)
☐ Option 3 (Aerobic process, with bench-scale demonstration)
☐ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
☐ Option 5 (Aerobic processes plus raised temperature)
☐ Option 6 (Raise pH to 12 and retain at 11.5)
☐ Option 7 (75 percent solids with no unstabilized solids)
☐ Option 8 (90 percent solids with unstabilized solids)
☐ None

Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge.

- g. Does the receiving facility provide any additional treatment or blending activities not identified in (c) or (d) above? ☐ Yes ☐ No

If yes, describe, on this form or another sheet of paper, the treatment or blending activities not identified in (c) or (d) above:

- h. If you answered yes to (e), (f), or (g), attach a copy of any information you provide the receiving facility to comply with the "notice and necessary information" requirement of 40 CFR 503.12(g).

- i. Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land? ☐ Yes ☐ No

If yes, provide a copy of all labels or notices that accompany the product being sold or given away.

Complete Section B.7 if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in:

- Section B.4 (it meets Table 1 ceiling concentrations, Table 3 pollutant concentrations, Class A pathogen requirements, and one of vector attraction reduction options 1-8); or
- Section B.5 (you place it in a bag or other container for sale or give-away for application to the land); or
- Section B.6 (you send it to another facility for treatment or blending).

B.7. Land Application of Bulk Sewage Sludge.

- a. Total dry metric tons per 365-day period of sewage sludge applied to all land application sites: _____ dry metric tons

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**B.7. Land Application of Bulk Sewage Sludge. (con't)**

- b. Do you identify all land application sites in Section C of this application?
- ☐
- Yes
- ☐
- No

If no, submit a copy of the land application plan with application (see instructions).

- c. Are any land application sites located in States other than the State where you generate sewage sludge or derive a material from sewage sludge?
- ☐
- Yes
- ☐
- No

If yes, describe, on this form or another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.

Complete Section B.8 if sewage sludge from your facility is placed on a surface disposal site.**B.8. Surface Disposal.**

- a. Total dry metric tons of sewage sludge from your facility placed on all surface disposal sites per 365-day period:
- 8057
- dry metric tons

- b. Do you own or operate all surface disposal sites to which you send sewage sludge for disposal?

☒ Yes ☐ No

If no, answer B.8.c through B.8.f for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one such surface disposal site, attach additional pages as necessary.

- c. Site name or number
-

- d. Contact person
-

Title

Telephone number

Contact is ☐ Site owner ☐ Site operator

- e. Mailing address
-

- f. Total dry metric tons of sewage sludge from your facility placed on this surface disposal site per 365-day period:
-
- dry metric tons

Complete Section B.9 if sewage sludge from your facility is fired in a sewage sludge incinerator.**B.9. Incineration.**

- a. Total dry metric tons of sewage sludge from your facility fired in all sewage sludge incinerators per 365-day period:
-
- dry metric tons

- b. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?
- ☐
- Yes
- ☐
- No

If no, complete B.9.c through B.9.f for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one such sewage sludge incinerator, attach additional pages as necessary.

- c. Incinerator name or number:
-

- d. Contact person:
-

Title:

Telephone number:

Contact is: ☐ Incinerator owner ☐ Incinerator operator

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**B.9. Incineration. (con't)**

- e. Mailing address: _____

- f. Total dry metric tons of sewage sludge from your facility fired in this sewage sludge incinerator per 365-day period: _____ dry metric tons

Complete Section B.10 if sewage sludge from this facility is placed on a municipal solid waste landfill.**B.10. Disposal in a Municipal Solid Waste Landfill.** Provide the following information for each municipal solid waste landfill on which sewage sludge from your facility is placed. If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.

- a. Name of landfill _____
- b. Contact person _____
Title _____
Telephone number _____
- Contact is _____ Landfill owner _____ Landfill operator
- c. Mailing address _____

- d. Location of municipal solid waste landfill:
Street or Route # _____
County _____
City or Town _____ State _____ Zip _____
- e. Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period:
_____ dry metric tons
- f. List, on this form or an attachment, the numbers of all other Federal, State, and local permits that regulate the operation of this municipal solid waste landfill.
- | Permit Number | Type of Permit |
|---------------|----------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
- g. Submit, with this application, information to determine whether the sewage sludge meets applicable requirements for disposal of sewage sludge in a municipal solid waste landfill (e.g., results of paint filter liquids test and TCLP test)
- h. Does the municipal solid waste landfill comply with applicable criteria set forth in 40 CFR Part 258?
_____ Yes _____ No

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**C. LAND APPLICATION OF BULK SEWAGE SLUDGE**

Complete Section C for sewage sludge that is applied to the land, unless any of the following conditions apply:

- The sewage sludge meets the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements, and one of vector attraction reduction options 1-8 (fill out B.4 Instead); or
- The sewage sludge is sold or given away in a bag or other container for application to the land (fill out B.5 Instead); or
- You provide the sewage sludge to another facility for treatment or blending (fill out B.6 instead).

Complete Section C for every site on which the sewage sludge that you reported in Section B.7 is applied.

C.1. Identification of Land Application Site.

- a. Site name or number _____
- b. Site location (Complete 1 and 2).
1. Street or Route # _____
- County _____
- City or Town _____ State _____ Zip _____
2. Latitude _____ Longitude _____
- Method of latitude/longitude determination
- _____ map _____ Field survey _____ Other _____
- c. Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.

C.2. Owner Information.

- a. Are you the owner of this land application site? _____ Yes _____ No
- b. If no, provide the following information about the owner:
- Name _____
- Telephone number _____
- Mailing Address _____

C.3. Applier Information.

- a. Are you the person who applies, or who is responsible for application of, sewage sludge to this land application site?
- _____ Yes _____ No
- b. If no, provide the following information for the person who applies:
- Name _____
- Telephone number _____
- Mailing Address _____

C.4. Site Type: Identify the type of land application site from among the following.

_____ Agricultural land _____ Forest _____ Public contact site

_____ Reclamation site _____ Other. Describe: _____

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**C.5. Crop or Other Vegetation Grown on Site.**

- a. What type of crop or other vegetation is grown on this site?

- b. What is the nitrogen requirement for this crop or vegetation?

C.6. Vector Attraction Reduction.

Are any vector attraction reduction requirements met when sewage sludge is applied to the land application site?

☐ Yes ☐ No

If yes, answer C.6.a and C.6.b;

- a. Indicate which vector attraction reduction option is met:

☐ Option 9 (Injection below land surface)☐ Option 10 (Incorporation into soil within 6 hours)

- b. Describe, on this form or another sheet of paper, any treatment processes used at the land application site to reduce vector attraction properties of sewage sludge:

Complete Question C.7 only if the sewage sludge applied to this site since July 20, 1993, is subject to the cumulative pollutant loading rates (CPLRs) in 40 CFR 503.13(b)(2).**C.7. Cumulative Loadings and Remaining Allotments.**

- a. Have you contacted the permitting authority in the State where the bulk sewage sludge subject to CPLRs will be applied, to ascertain whether bulk sewage sludge subject to CPLRs has been applied to this site on or since July 20, 1993?
- ☐
- Yes
- ☐
- No

If no, sewage sludge subject to CPLRs may not be applied to this site.If yes, provide the following information:

Permitting authority

Contact Person

Telephone number

- b. Based upon this inquiry, has bulk sewage sludge subject to CPLRs been applied to this site since July 20, 1993?

☐ Yes ☐ No

If no, skip C.7.c.

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Southside Water Reclamation Plant NM0022250

- c. Provide the following information for every facility other than yours that is sending, or has sent, bulk sewage sludge to CPLRs to this site since July 20, 1993. If more than one such facility sends sewage sludge to this site, attach additional pages as necessary.

Facility name _____

Mailing Address _____

Contact person _____

Title _____

Telephone number _____

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

D. SURFACE DISPOSAL

Complete this section if you own or operate a surface disposal site.

Complete Sections D.1 - D.5 for each active sewage sludge unit.

D.1. Information on Active Sewage Sludge Units.

- a. Unit name or number: Albuquerque Soils Amendment Facility
- b. Unit location (Complete 1 and 2).
1. Street or Route # 7400 Shooting Range Access Road NW
- County Bernalillo
- City or Town Albuquerque State NM Zip 87120
2. Latitude N 35° 9' 59" Longitude W 106° 49' 32"
- Method of latitude/longitude determination: ☒ USGS map ☐ Field survey ☐ Other
- c. Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.
- d. Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period: 8057 dry metric tons
- e. Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit: _____ dry metric tons
- f. Does the active sewage sludge unit have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec? ☐ Yes ☒ No
- If yes, describe the liner (or attach a description):

- g. Does the active sewage sludge unit have a leachate collection system? ☐ Yes ☒ No
- If yes, describe the leachate collection system (or attach a description). Also describe the method used for leachate disposal and provide the numbers of any Federal, State, or local permit(s) for leachate disposal:

- h. If you answered no to either D.1.f. or D.1.g., answer the following question:
- Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface disposal site?
☐ Yes ☒ No
- If yes, provide the actual distance in meters: _____
- Provide the following information:
- Remaining capacity of active sewage sludge unit, in dry metric tons: _____ dry metric tons
- Anticipated closure date for active sewage sludge unit, if known: _____ (MM/DD/YYYY)
- Provide, with this application, a copy of any closure plan that has been developed for this active sewage sludge unit.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**D.2. Sewage Sludge from Other Facilities.** Is sewage sent to this active sewage sludge unit from any facilities other than your facility?☐ Yes ☒ No

If yes, provide the following information for each such facility. If sewage sludge is sent to this active sewage sludge unit from more than one such facility, attach additional pages as necessary.

- a. Facility name _____
- b. Mailing Address _____

- c. Contact person _____
Title _____
Telephone number _____
- d. Which class of pathogen reduction is achieved before sewage sludge leaves the other facility?
☐ Class A ☐ Class B ☐ None or unknown
- e. Describe, on this form or another sheet of paper, any treatment processes used at the other facility to reduce pathogens in sewage sludge:

- f. Which vector attraction reduction option is met for the sewage sludge at the receiving facility?
☐ Option 1 (Minimum 38 percent reduction in volatile solids)
☐ Option 2 (Anaerobic process, with bench-scale demonstration)
☐ Option 3 (Aerobic process, with bench-scale demonstration)
☐ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
☐ Option 5 (Aerobic processes plus raised temperature)
☐ Option 6 (Raise pH to 12 and retain at 11.5)
☐ Option 7 (75 percent solids with no unstabilized solids)
☐ Option 8 (90 percent solids with unstabilized solids)
☐ None or unknown
- g. Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge

- h. Describe, on this form or another sheet of paper, any other sewage sludge treatment activities performed by the other facility that are not identified in (d) - (g) above:

D.3. Vector Attraction Reduction

- a. Which vector attraction option, if any, is met when sewage sludge is placed on this active sewage sludge unit?
☐ Option 9 (Injection below and surface)
☐ Option 10 (Incorporation into soil within 6 hours)
☒ Option 11 (Covering active sewage sludge unit daily)

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**D.3. Vector Attraction Reduction. (con't)**

- b. Describe, on this form or another sheet of paper, any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge:

Sludge is disked into the land daily.

D.4. Ground-Water Monitoring.

- a. Is ground-water monitoring currently conducted at this active sewage sludge unit, or are ground-water monitoring data otherwise available for this active sewage sludge unit?

☒ Yes ☐ No

If yes, provide a copy of available ground-water monitoring data. Also, provide a written description of the well locations, the approximate depth to ground-water, and the ground-water monitoring procedures used to obtain these data.

SEE APPENDIX G (NM Environment Department Discharge Permit (DP-521) and 2015 Annual Report).

- b. Has a ground-water monitoring program been prepared for this active sewage sludge unit? ☒ Yes ☐ No

If yes, submit a copy of the ground-water monitoring program with this permit application. SEE DOCUMENTS IN APPENDIX G

- c. Have you obtained a certification from a qualified ground-water scientist that the aquifer below the active sewage sludge unit has not been contaminated? ☐ Yes ☒ No

If yes, submit a copy of the certification with this permit application.

D.5. Site-Specific Limits. Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?☐ Yes ☒ No

If yes, submit information to support the request for site-specific pollutant limits with this application.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**E. INCINERATION**

Complete this section if you fire sewage sludge in a sewage sludge incinerator.

Complete this section once for each incinerator in which you fire sewage sludge. If you fire sewage sludge in more than one sewage sludge incinerator, attach additional copies of this section as necessary.

E.1. Incinerator Information. NOT APPLICABLE

a. Incinerator name or number: _____

b. Incinerator location (Complete 1 and 2).

1. Street or Route # _____

County _____

City or Town _____ State _____ Zip _____

2. Latitude _____ Longitude _____

Method of latitude/longitude determination: _____ USGS map _____ Field survey _____ Other _____

E.2. Amount Fired. Dry metric tons per 365-day period of sewage sludge fired in the sewage sludge incinerator: _____ dry metric tons**E.3. Beryllium NESHAP.**

a. Is the sewage sludge fired in this incinerator "beryllium-containing waste," as defined in 40 CFR Part 61.31? _____ Yes _____ No

Submit, with this application, information, test data, and description of measures taken that demonstrate whether the sewage sludge incinerated is beryllium-containing waste, and will continue to remain as such.

b. If the answer to (a) is yes, **submit with this application** a complete report of the latest beryllium emission rate testing and documentation of ongoing incinerator operating parameters indicating that the NESHAP emission rate limit for beryllium has been and will continue to be met.**E.4. Mercury NESHAP.**

a. How is compliance with the mercury NESHAP being demonstrated?

_____ Stack testing (if checked, complete E.4.b)

_____ Sewage sludge sampling (if checked, complete E.4.c)

b. If stack testing is conducted, submit the following information with this application:

A complete report of stack testing and documentation of ongoing incinerator operating parameters indicating that the incinerator has met, and will continue to meet, the mercury NESHAP emission rate limit.

Copies of mercury emission rate tests for the two most recent years in which testing was conducted.

c. If sewage sludge sampling is used to demonstrate compliance, submit a complete report of sewage sludge sampling and documentation of ongoing incinerator operating parameters indicating that the incinerator has met, and will continue to meet the mercury NESHAP emission rate limit.

E.5. Dispersion Factor.

a. Dispersion factor, in micrograms/cubic meter per gram/second: _____

b. Name and type of dispersion model: _____

c. Submit a copy of the modeling results and supporting documentation with this application.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086**E.6. Control Efficiency.**

- a. Control efficiency, in hundredths, for the following pollutants:

Arsenic: _____ Chromium: _____ Nickel: _____

Cadmium: _____ Lead: _____

- b. Submit a copy of the results or performance testing and supporting documentation (including testing dates) with this application.

E.7. Risk Specific Concentration for Chromium.

- a. Risk specific concentration (RSC) used for chromium, in micrograms per cubic meter: _____

- b. Which basis was used to determine the RSC?

____ Table 2 in 40 CFR 503.43

____ Equation 6 in 40 CFR 503.43 (site-specific determination)

- c. If Table 2 was used, identify the type of incinerator used as the basis:

____ Fluidized bed with wet scrubber

____ Fluidized bed with wet scrubber and wet electrostatic precipitator

____ Other types with wet scrubber

____ Other types with wet scrubber and wet electrostatic precipitator

- d. If Equation 6 was used, provide the following:

Decimal fraction of hexavalent chromium concentration to total chromium concentration in stack exit gas: _____

Submit results of incinerator stack tests for hexavalent and total chromium concentrations, including date(s) of test, with this application.

E.8. Incinerator Parameters

- a. Do you monitor Total Hydrocarbons (THC) in the sewage sludge incinerator's exit gas? _____ Yes _____ No

Do you monitor Carbon Monoxide (CO) in the sewage sludge incinerator's exit gas? _____ Yes _____ No

- b. Incinerator type: _____

- c. Incinerator stack height, in meters: _____

Indicate whether value submitted is: _____ Actual stack height _____ Creditable stack height

E.9. Performance Test Operating Parameters

- a. Maximum Performance Test Combustion Temperature: _____

- b. Performance test sewage sludge feed rate, in dry metric tons/day: _____

Indicate whether value submitted is:

____ Average use _____ Maximum design

Submit, with this application, supporting documents describing how the feed rate was calculated.

- c. Submit, with this application, information documenting the performance test operating parameters for the air pollution control device(s) used for this sewage sludge incinerator.

FACILITY NAME AND PERMIT NUMBER:

Southside Water Reclamation Plant NM0022250

Form Approved 1/14/99
OMB Number 2040-0086

E.10. Monitoring Equipment. List the equipment in place to monitor the following parameters:

- a. Total hydrocarbons or carbon monoxide: _____
- b. Percent oxygen: _____
- c. Moisture content: _____
- d. Combustion temperature: _____
- e. Other: _____

E.11. Air Pollution Control Equipment. Submit, with this application, a list of all air pollution control equipment used with this sewage sludge incinerator.

APPENDIX A

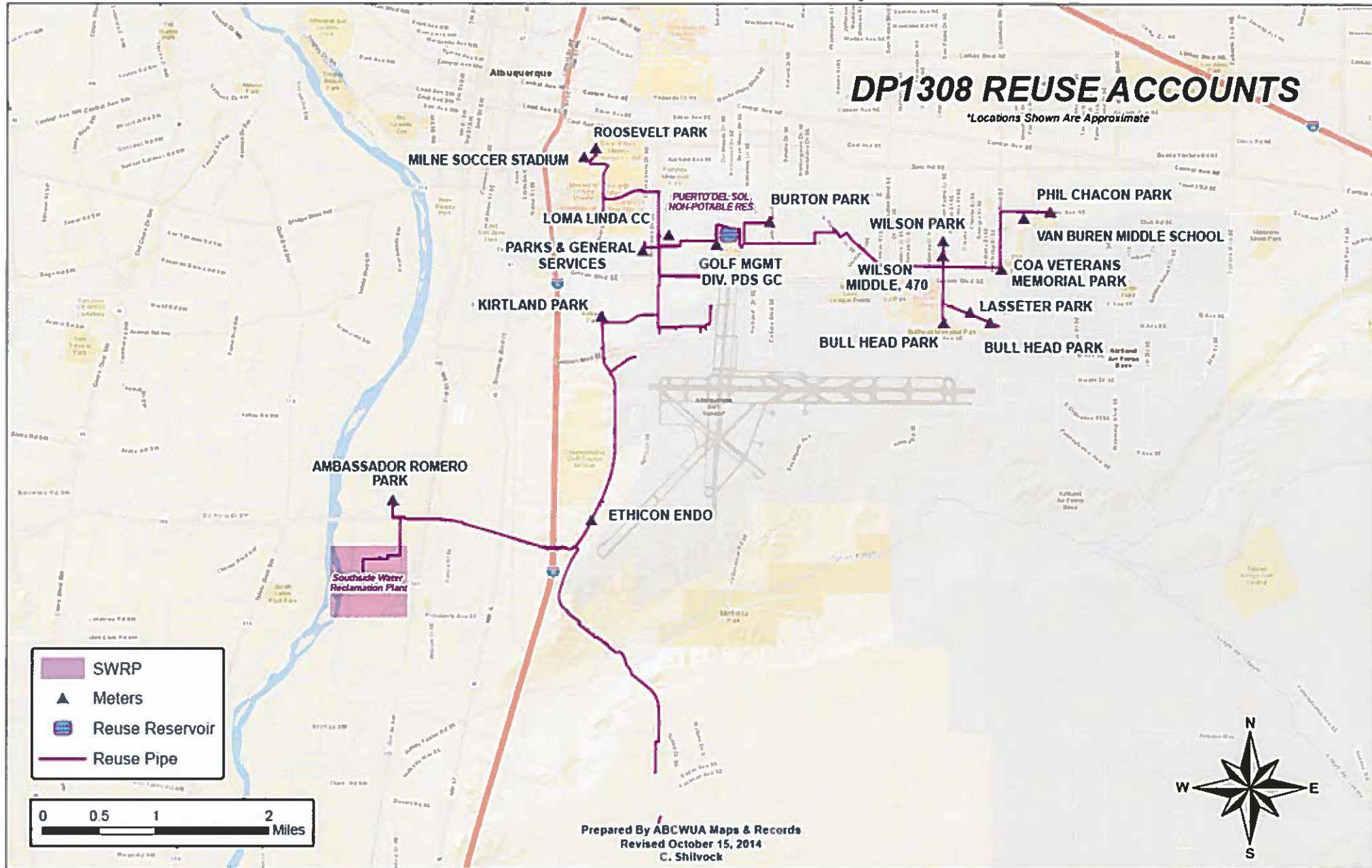
Appendix A
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant Reuse System
Ground Water Discharge Permit 1308
Discharge Locations

Location Name	Location Account Number	Address	Section/Township/Range	Latitude	Longitude
Ambassador Romero Park	1582583640	310 Rossmoor SW, Albuquerque	Section 6 – T9N – R3E	35.0296	-106.6633
Bullhead Park	3605579560	1606 San Pedro SE, Albuquerque	Section 36 – T10N – R3E	35.0527	-106.5701
Bullhead Park	3126579560	1606 San Pedro SE, Albuquerque	Section 36 – T10N – R3E	35.0526	-106.5775
Burton Park	6394839560	901 Carlisle SE, Albuquerque	Section 27 – T10N – R3E	35.0656	-106.6048
COA Veterans Memorial Park	3784579560	1100 Louisiana SE, Albuquerque	Section 25 – T10N – R3E	35.0596	-106.5682
Ethicon Endo Surgery	1826579560	3801 University SE, Albuquerque	Section 9 – T9N – R3E	35.0272	-106.6324
Kirtland Park	3284579560	2907 University SE, Albuquerque	Section 33 – T10N – R3E	35.0535	-106.631
Lasseter Park	3594579560	2801 Ridgecrest SE, Albuquerque	Section 36 – T10N – R3E	35.0541	-106.5733
Loma Linda Community Center	5964579560	1700 Yale SE, Albuquerque	Section 27 – T10N – R3E	35.0641	-106.6203
Milne Soccer Stadium	3375579560	725 University SE, Albuquerque	Section 21 – T10N – R3E	35.0737	-106.6338
Parks & General Services (Lowell Elementary School)	3417729560	1700 Sunshine Terrace SE, Albuquerque	Section 28 – T10N – R3E	35.0635	-106.6282
Phil Chacon Park	5274579560	7600 Southern SE, Albuquerque	Section 30 – T10N – R4E	35.0669	-106.5609
Puerto Del Sol Golf Course	1016579560	1700 Girard SE, Albuquerque	Section 27 – T10N – R3E	35.0626	-106.6128
Roosevelt Park	9184579560	500 Spruce SE, Albuquerque	Section 21 – T10N – R3E	35.075	-106.6321
Van Buren Middle School	5085579560	700 Louisiana SE, Albuquerque	Section 30 – T10N – R4E	35.0663	-106.5651
Wilson Middle School	5135579560	1101 San Pedro SE, Albuquerque	Section 25 – T10N – R3E	35.0614	-106.5776
Wilson Park	7894579560	1001 San Pedro SE, Albuquerque	Section 25 – T10N – R3E	35.0632	-106.5778

Appendix A
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant Reuse System
Ground Water Discharge Permit 1308
Account Usage for 2016

Facility Name	SWRP ONSITE	BURTON PARK	COA VETERANS MEMORIAL PARK	ETHICON ENDO	GOLF MGMT DIV.PDS GC	KIRKLAND PARK	LASSETER PARK	LOMA LINDA CC	BULL HEAD PARK		WILSON PARK	PARKS AND GENERAL SERVICES (LOWELL ELEM. SCHOOL)	ROOSEVELT PARK	WILSON MIDDLE SCHOOL	AMBASSADOR ROMERO	VAN BUREN MIDDLE SCHOOL	MILNE SOCCER STADIUM	PHIL CHACON PARK
Account Number		6394839560	3784579560	1826579560	1016579560	3284579560	3594579560	5964579560	3605579560	3126579560	7894579560	3417729560	9184579560	5135579560	1582583640	5085579560	3375579560	5274579560
January	26,902	0	0	20,944	0	0	0	0	748	5,984	0	0	0	0	0	0	45,628	0
February	25,644	0	213,180	192,984	1,576,784	0	144,364	5,236	252,824	543,048	49,368	0	22,440	71,808	0	49,368	66,572	0
March	29,280	207,944	462,264	703,868	7,264,576	0	400,928	240,856	198,220	2,947,868	250,580	86,020	1,158,652	160,820	14,960	243,848	74,052	0
April	27,830	667,216	1,040,468	616,352	9,024,620	0	318,648	561,748	716,584	2,795,276	438,328	284,988	2,516,272	344,828	21,692	163,812	89,012	0
May	31,975	709,104	1,219,988	661,232	14,953,268	0	549,032	792,132	848,980	6,005,692	644,028	293,216	2,734,688	355,300	26,180	413,644	116,688	0
June	31,177	994,092	1,943,304	914,056	17,203,252	1,065,900	677,688	682,176	1,154,164	7,566,768	764,456	420,376	4,002,548	614,108	42,636	699,380	153,340	0
July	30,625	713,592	1,758,548	917,048	14,649,580	1,306,008	436,832	827,288	667,216	4,740,076	1,154,912	613,360	3,164,040	837,760	62,832	397,936	243,100	338,096
August	31,019	294,712	1,216,996	629,068	7,104,504	1,155,660	344,828	993,344	1,145,936	3,947,944	279,752	506,396	3,232,856	640,288	55,352	397,936	195,976	5,236
September	27,991	982,124	278,204	581,196	6,153,048	1,497,496	178,024	647,768	492,184	2,297,108	601,392	428,604	1,601,468	674,000	38,896	192,984	125,664	0
October	22,694	204,952	575,212	403,172	4,820,112	313,412	124,168	439,824	287,980	1,557,336	81,532	269,280	1,769,768	280,500	38,896	92,752	86,768	47,872
November	16,431	35,156	70,312	0	745,756	0	0	50,864	11,220	118,932	0	92,752	0	302,940	7,480	202,708	63,580	68,068
December	15,536	0	10,472	0	670,956	0	0	0	5,236	10,472	0	0	0	79,288	0	19,448	39,644	14,960
2016 Annual Total (Gallons Used)	317,104	4,808,892	8,788,948	5,639,920	84,166,456	5,338,476	3,174,512	5,241,236	5,781,292	32,536,504	4,264,348	2,994,992	20,202,732	4,361,640	308,924	2,873,816	1,300,024	474,232

Appendix A
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant Reuse System



APPENDIX B

APPENDIX B.1

APPENDIX B.1.1

APPENDIX B.1.2

APPENDIX B.1.3

APPENDIX B.1.4

APPENDIX B.1.5

APPENDIX B.1.6

APPENDIX B.1.7

APPENDIX B.1.8

APPENDIX B.1.9

APPENDIX B.1.10

APPENDIX B.1.11

APPENDIX B.1.12

APPENDIX B.1.13

APPENDIX B.1.14

APPENDIX B.1.15

APPENDIX B.1.16

APPENDIX B.1.17

APPENDIX B.1.18

APPENDIX B.1.19

APPENDIX B.1.20

APPENDIX B.1.21

APPENDIX B.1.22

APPENDIX B.1.23

APPENDIX B.1.24

APPENDIX B.1.25

APPENDIX B.1.26

APPENDIX B.1.27

APPENDIX B.1.28

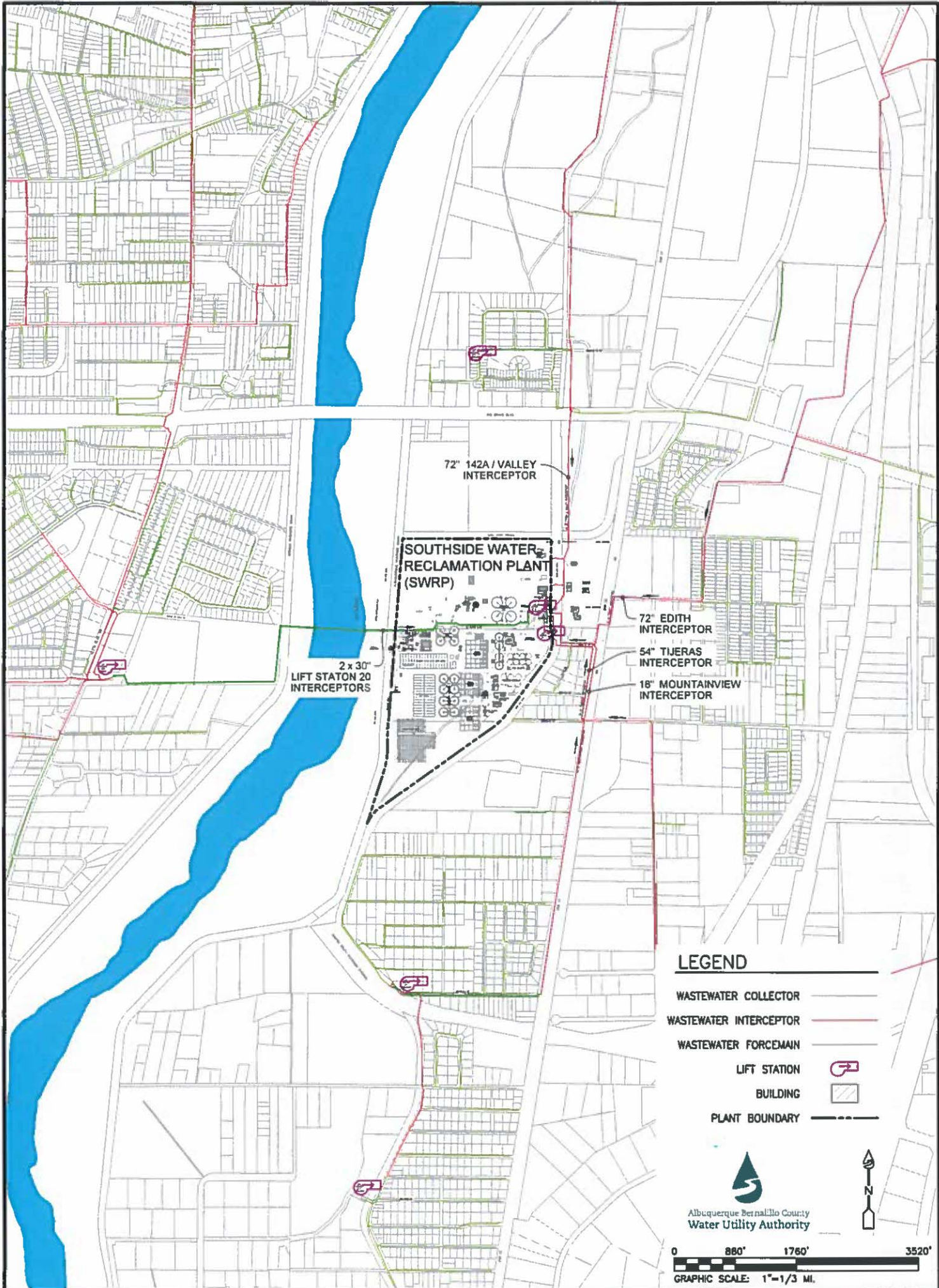
APPENDIX B.1.29

APPENDIX B.1.30

APPENDIX B.1.31

APPENDIX B.1.32

APPENDIX B.1.33



72" 142A / VALLEY
INTERCEPTOR

SOUTHSIDE WATER
RECLAMATION PLANT
(SWRP)

2 x 30"
LIFT STATION 20
INTERCEPTORS

72" EDITH
INTERCEPTOR
54" TIJERAS
INTERCEPTOR
18" MOUNTAINVIEW
INTERCEPTOR

LEGEND

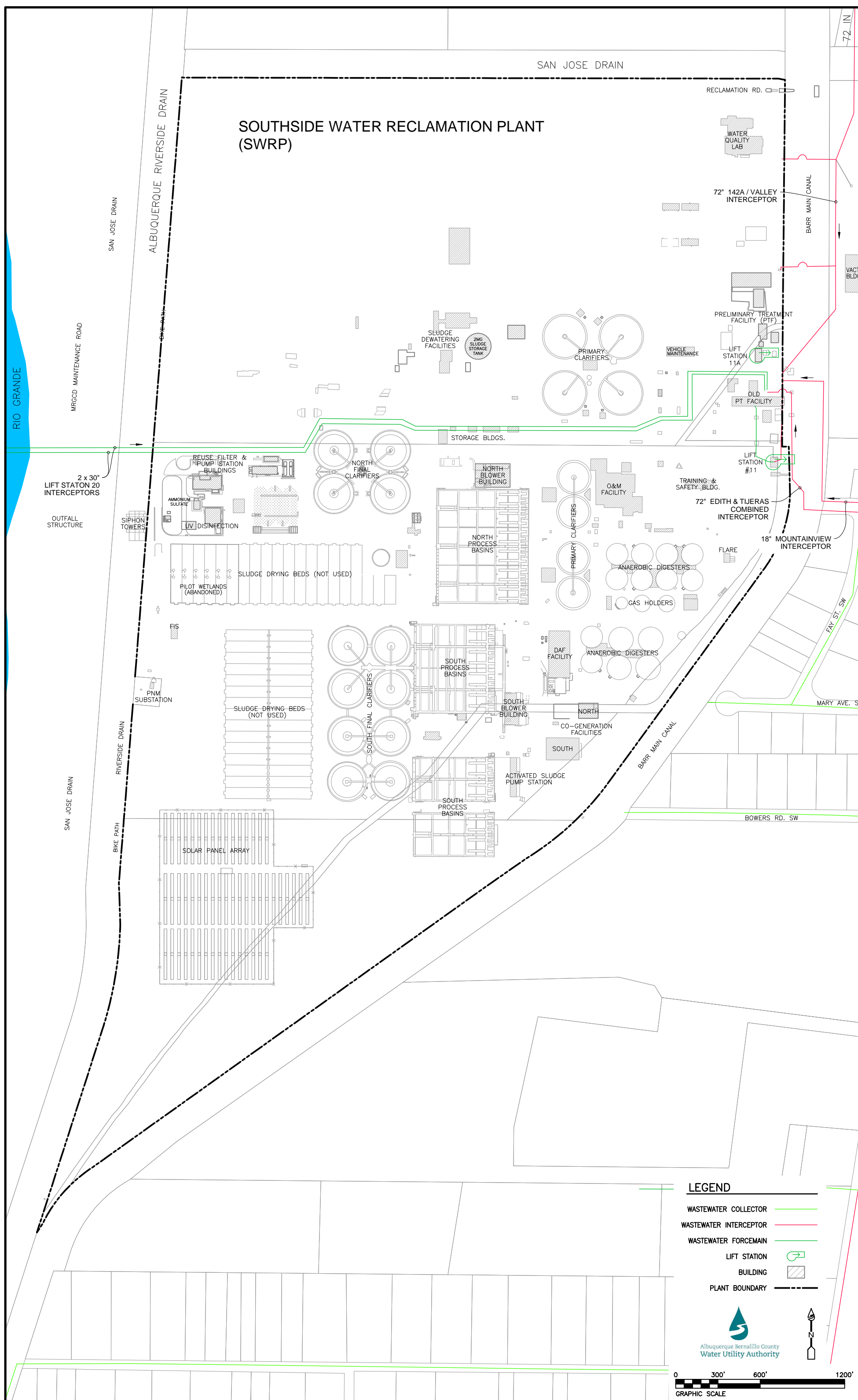
- WASTEWATER COLLECTOR
- WASTEWATER INTERCEPTOR
- WASTEWATER FORCEMAIN
- LIFT STATION
- BUILDING
- PLANT BOUNDARY



Albuquerque Bernalillo County
Water Utility Authority



0 880' 1760' 3520'
GRAPHIC SCALE: 1"=1/3 MI.



CITY OF ALBUQUERQUE LIMITS

RIO RANCHO

ALBUQUERQUE

**SOILS AMENDMENT
FACILITY (SAF)**

PONDS

SAF FACILITIES

0.6 MG RESERVOIR

BOOSTER
PUMP STATION
AND WELL

SECOND CHANCE CENTER
(OLD JAIL)

DOUBLE EAGLE II
AIRPORT

DOUBLE EAGLE II
UPPER RESERVOIR

14 WOODWELL RD
03 S53307

LEGEND

WASTEWATER COLLECTOR

WASTEWATER FORCEMAIN

BUILDING

FACILITY BOUNDARY

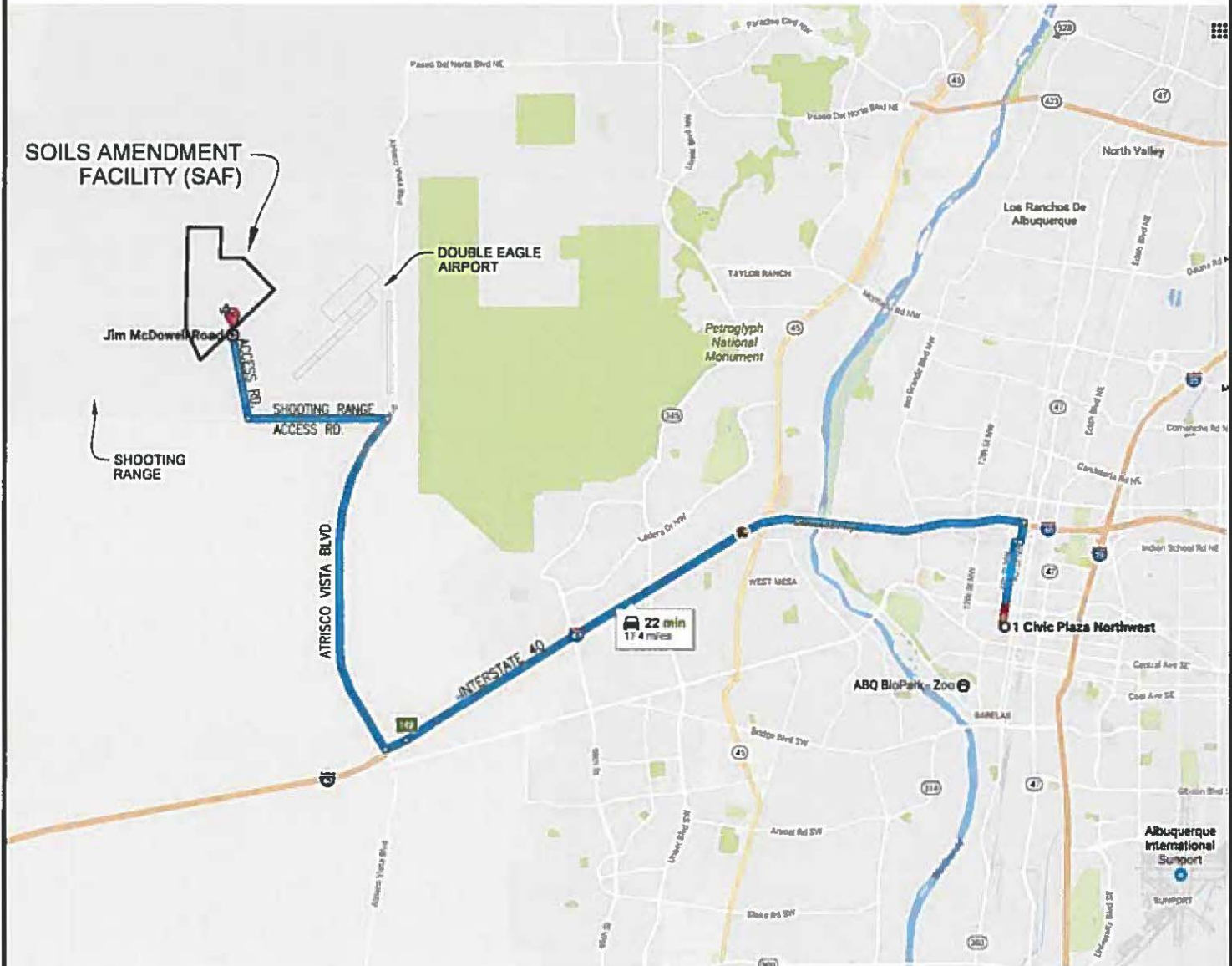


Albuquerque Bernalillo County
Water Utility Authority



0 1250' 2500' 5000'

GRAPHIC SCALE: 1"=2500'

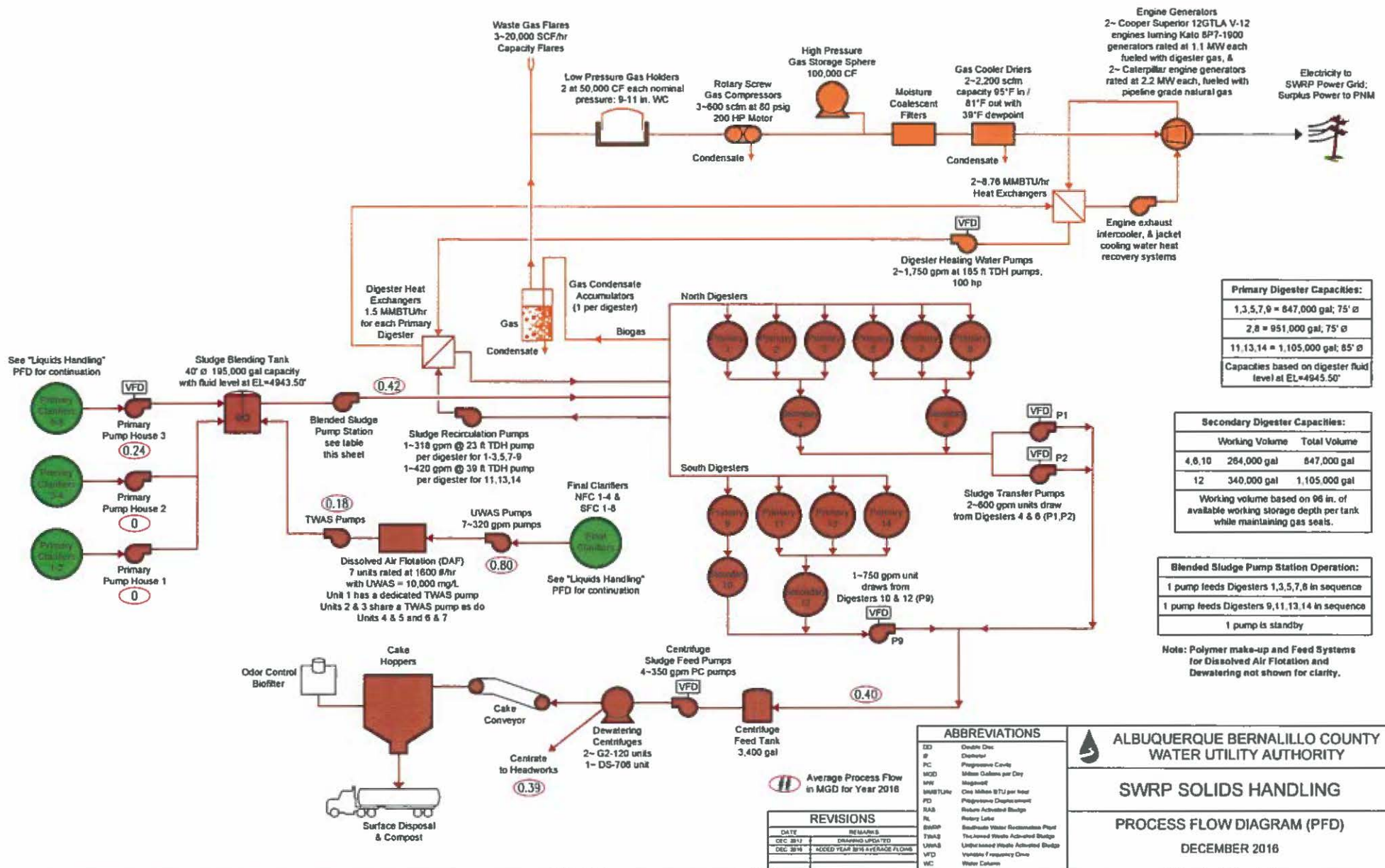


Albuquerque Bernalillo County
Water Utility Authority



0 5280' 2 MI 4 MI
GRAPHIC SCALE: 1/2"=5280'=1 MILE

APPENDIX C



Appendix D
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant (NM0022250)
Expanded Effluent Testing Data - Outfall 001

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Con.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
METALS (TOTAL RECOVERABLE), CYANIDE, PHENOLS, AND HARDNESS.											
ANTIMONY	5.7	µg/L	3	lbs	<0.59	µg/L	<0.25	lbs	51	EPA 200.8 - 1994	0.2
ARSENIC	3.8	µg/L	1.6	lbs	2.4	µg/L	1.0	lbs	24	EPA 200.8 - 1994	0.2
BERYLLIUM	0.16	µg/L	0.07	lbs	<0.04	µg/L	<0.018	lbs	51	EPA 200.7 - 1994	0.07
CADMIUM	0.17	µg/L	0.07	lbs	<0.04	µg/L	<0.02	lbs	51	EPA 200.8 - 1994	0.006
CHROMIUM	50.9	µg/L	20	lbs	<6.9	µg/L	<2.8	lbs	51	EPA 200.8 - 1994	0.3
COPPER	13.4	µg/L	5	lbs	<3.3	µg/L	<1.4	lbs	51	EPA 200.8 - 1994	0.12
LEAD	4.94	µg/L	2	lbs	<0.59	µg/L	<0.25	lbs	51	EPA 200.8 - 1994	0.09
MERCURY	0.004	µg/L	0.002	lbs	0.001	µg/L	0.001	lbs	52	EPA 1631 E-2002	0.0002
NICKEL	48.1	µg/L	19	lbs	<4.1	µg/L	<1.7	lbs	51	EPA 200.8 - 1994	0.089
SELENIUM	11.4	µg/L	5	lbs	<0.87	µg/L	<0.37	lbs	51	EPA 200.8 - 1994	0.1
SILVER	0.63	µg/L	0.25	lbs	<0.08	µg/L	<0.03	lbs	49	EPA 200.8 - 1994	0.01
THALLIUM	3.28	µg/L	1.34	lbs	<0.25	µg/L	<0.1	lbs	51	EPA 200.8 - 1994	0.01
ZINC	333	µg/L	148	lbs	<138	µg/L	<58	lbs	51	EPA 200.7 - 1994	10
CYANIDE	10.6	µg/L	4	lbs	0.5	µg/L	0.2	lbs	68	EPA 335.4 -1993	10
TOTAL PHENOLIC COMPOUNDS	180	µg/L	70	lbs	<10	µg/L	<3.9	lbs	68	EPA 420.1 - 1978	50
HARDNESS (AS CaCO ₃)	202	mg/L CaCO ₃			168	mg/L CaCO ₃			50	SM 2340 B-1997	
OTHER INORGANIC COMPOUNDS.											
ALUMINUM	1100	µg/L	459	lbs	<54	µg/L	<23	lbs	51	EPA 200.7 - 1994	3.9
ALUMINUM, DISSOLVED	<17	µg/L			<17	µg/L			4	EPA 200.7 - 1994	3.9
ANTIMONY, DISSOLVED	0.97	µg/L	0.42	lbs	0.61	µg/L	0.26	lbs	4	EPA 200.8 - 1994	0.09
ARSENIC, DISSOLVED	3.1	µg/L	1.25	lbs	2.65	µg/L	1.1	lbs	4	EPA 200.8 - 1994	0.03
BARIUM	24	µg/L	10	lbs	10.6	µg/L	4.4	lbs	3	EPA 200.7 - 1994	0.1
BARIUM, DISSOLVED	26.4	µg/L	12	lbs	<11.85	µg/L	<5	lbs	4	EPA 200.7 - 1994	0.2
BERYLLIUM, DISSOLVED	<0.07	µg/L			<0.07	µg/L			4	EPA 200.7 - 1994	0.07
BORON	498	µg/L	207	lbs	<312	µg/L	<131	lbs	51	EPA 200.7 - 1994	1.1
BORON, DISSOLVED	232	µg/L	101	lbs	226	µg/L	96	lbs	4	EPA 200.7 - 1994	1.7
CADMIUM, DISSOLVED	<0.05	µg/L			<0.05	µg/L			4	EPA 200.8 - 1994	0.05
COBALT	0.85	µg/L	0.35	lbs	<0.28	µg/L	<0.12	lbs	3	EPA 200.7 - 1994	0.3
COBALT, DISSOLVED	0.8	µg/L	0.34	lbs	<0.35	µg/L	<0.1	lbs	4	EPA 200.7 - 1994	0.4
CHROMIUM, DISSOLVED	2.7	µg/L	1.1	lbs	<1.4	µg/L	<0.6	lbs	4	EPA 200.8 - 1994	0.2
CHROMIUM HEXAVALENT, DISSOLVED	<0.5	µg/L			<0.5	µg/L			4	EPA 218.6 - 1994	0.5
CHROMIUM TRIVALENT, DISSOLVED	2.7	µg/L	1.1	lbs	<1.4	µg/L	<0.6	lbs	4	calculated	
COPPER, DISSOLVED	1.2	µg/L	0.526	lbs	0.8	µg/L	0.338	lbs	4	EPA 200.8 - 1994	0.7
FLUORIDE	1.14	mg/L	4	lbs	0.75	mg/L	308	lbs	39	SM 4500 F C-1997	0.031
FLUORIDE, DISSOLVED	0.58	mg/L	240	lbs	0.54	mg/L	228	lbs	3	SM 4500 F C-1997	0.1
LEAD, DISSOLVED	0.29	µg/L	0.12	lbs	0.15	µg/L	0.06	lbs	4	EPA 200.8 - 1994	0.005
MANGANESE	84.4	µg/L	34	lbs	61	µg/L	26	lbs	51	EPA 200.7 - 1994	2.7
MANGANESE DISSOLVED	63.9	µg/L	28	lbs	62.9	µg/L	27	lbs	4	EPA 200.7 - 1994	1.5
MOLYBDENUM	9.1	µg/L	4	lbs	<3.3	µg/L	<1.4	lbs	51	EPA 200.7 - 1994	0.8
MOLYBDENUM, DISSOLVED	4.03	µg/L	1.77	lbs	3.77	µg/L	1.6	lbs	4	EPA 200.7 - 1994	0.4
NICKEL, DISSOLVED	5.4	µg/L	2.36	lbs	4.7	µg/L	2.02	lbs	4	EPA 200.8 - 1994	0.5
SELENIUM, DISSOLVED	1.2	µg/L	0.5	lbs	1	µg/L	0.42	lbs	4	EPA 200.8 - 1994	0.06
SILVER, DISSOLVED	0.035	µg/L	0.02	lbs	<0.01	µg/L	<0.004	lbs	4	EPA 200.8 - 1994	0.01
THALLIUM, DISSOLVED	0.14	µg/L	0.06	lbs	0.07	µg/L	0.03	lbs	4	EPA 200.8 - 1994	0.004
URANIUM	0.3	µg/L	0.13	lbs	<0.08	µg/L	<0.03	lbs	4	EPA 200.8 - 1994	0.5

Appendix D
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant (NM0022250)
Expanded Effluent Testing Data - Outfall 001

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Con.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
URANIUM, DISSOLVED	0.24	µg/L	0.1	lbs	0.17	µg/L	0.07	lbs	4	EPA 200.8 - 1994	0.5
VANADIUM	2.94	µg/L	1.21	lbs	2.1	µg/L	0.87	lbs	3	EPA 200.7 - 1994	0.2
VANADIUM, DISSOLVED	2.53	µg/L	1.11	lbs	2.22	µg/L	0.95	lbs	4	EPA 200.7 - 1994	0.3
ZINC, DISSOLVED	25.3	µg/L	10	lbs	<6.33	µg/L	<2.5	lbs	4	EPA 200.7 - 1994	21
CYANIDE, WEAK ACID DISSOCIABLE	<10	µg/L			<10	µg/L			3	SM 4500 CN-I-1999	10
CYANIDE, AMENABLE TO CHLORINATION	<10	µg/L			<10	µg/L			2	SM 4500 CN-G-1999	10
VOLATILE ORGANIC COMPOUNDS.											
ACROLEIN	<50	µg/L			<10	µg/L			32	EPA 624	10
ACRYLONITRILE	<50	µg/L			<10	µg/L			32	EPA 624	10
BENZENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
BROMOFORM	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
CARBON TETRACHLORIDE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
CHLOROBENZENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
CHLORODIBROMO-METHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
CHLOROETHANE	<5.0	µg/L			<2.0	µg/L			32	EPA 624	2
2-CHLORO-ETHYL VINYL ETHER	<10	µg/L			<10	µg/L			32	EPA 624	10
CHLOROFORM	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
DICHLOROBROMO-METHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,1-DICHLOROETHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,2-DICHLOROETHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
TRANS-1,2-DICHLORO-ETHYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,1-DICHLOROETHYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,2-DICHLOROPROPANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,3-DICHLORO-PROPYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
ETHYLBENZENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
METHYL BROMIDE (BROMOMETHANE)	<5.0	µg/L			<3.0	µg/L			32	EPA 624	3
METHYL CHLORIDE (CHLOROMETHANE)	<5.0	µg/L			<3.0	µg/L			32	EPA 624	3
METHYLENE CHLORIDE	<5.0	µg/L			<3.0	µg/L			32	EPA 624	3
1,1,2,2-TETRACHLORO-ETHANE	<5.0	µg/L			<2.0	µg/L			32	EPA 624	2
TETRACHLORO-ETHYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
TOLUENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,1,1-TRICHLOROETHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
1,1,2-TRICHLOROETHANE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
TRICHLORETHYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
VINYL CHLORIDE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
OTHER VOLATILE ORGANIC COMPOUNDS.											
1,2-DICHLOROBENZENE	<5.0	µg/L			<5.0	µg/L			32	EPA 624	5
1,3-DICHLOROBENZENE	<5.0	µg/L			<5.0	µg/L			32	EPA 624	5
1,4-DICHLOROBENZENE	2.6	µg/L	1.11	lbs	0.08	µg/L	0.03	lbs	32	EPA 624	5

Appendix D
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant (NM0022250)
Expanded Effluent Testing Data - Outfall 001

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Con.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
cis-1,2-DICHLORO-ETHYLENE	<5.0	µg/L			<1.0	µg/L			32	EPA 624	1
XYLENE	<15	µg/L			<15	µg/L			32	EPA 624	15
ACID-EXTRACTABLE COMPOUNDS.											
P-CHLORO-M-CRESOL (4-CHLORO-3 METHYLPHENOL)	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2-CHLOROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2,4-DICHLOROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2,4-DIMETHYLPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
4,6-DINITRO-O-CRESOL (4,6-DINITRO-2-METHYLPHENOL)	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2,4-DINITROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2-NITROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
4-NITROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
PENTACHLOROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
PHENOL	0.86	µg/L	0.37	lbs	0.18	µg/L	0.08	lbs	8	EPA 625	0.5
2,4,6-TRICHLOROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BASE-NEUTRAL COMPOUNDS.											
ACENAPHTHENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
ACENAPHTHYLENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
ANTHRACENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BENZIDINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BENZO(A)ANTHRACENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BENZO(A)PYRENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
3,4 BENZO-FLUORANTHENE (BENZO[b]FLUORANTHENE)	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BENZO(GHI)PERYLENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BENZO(K)FLUORANTHENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BIS (2-CHLOROETHOXY) METHANE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BIS (2-CHLOROETHYL)-ETHER	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BIS (2-CHLOROISO-PROPYL) ETHER	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BIS (2-ETHYLHEXYL) PHTHALATE	0.87	µg/L	0.39	lbs	0.11	µg/L	0.05	lbs	8	EPA 625	0.5
4-BROMOPHENYL PHENYL ETHER	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
BUTYL BENZYL PHTHALATE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2-CHLORONAPHTHALENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
4-CHLORPHENYL PHENYL ETHER	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
CHRYSENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
DI-N-BUTYL PHTHALATE	0.67	µg/L	0.30	lbs	0.08	µg/L	0.04	lbs	8	EPA 625	0.5
DI-N-OCTYL PHTHALATE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
DIBENZO(A,H) ANTHRACENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
1,2-DICHLOROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
1,3-DICHLOROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5

Appendix D
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant (NM0022250)
Expanded Effluent Testing Data - Outfall 001

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Con.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
1,4-DICHLOROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
3,3-DICHLOROBENZIDINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
DIETHYL PHTHALATE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
DIMETHYL PHTHALATE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2,4-DINITROTOLUENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
2,6-DINITROTOLUENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
1,2-DIPHENYLHYDRAZINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
FLUORANTHENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
FLUORENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
HEXACHLOROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
HEXACHLOROBUTADIENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
HEXACHLOROCYCLO-PENTADIENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
HEXACHLOROETHANE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
INDENO(1,2,3-CD)PYRENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
ISOPHORONE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
NAPHTHALENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
NITROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
N-NITROSODI-N-PROPYLAMINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
N-NITROSODI-METHYLAMINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
N-NITROSODI-PHENYLAMINE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
PHENANTHRENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
PYRENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
1,2,4-TRICHLOROBENZENE	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
OTHER ORGANIC COMPOUNDS.											
2,3,7,8 TETRACHLORODIBENZO-P-DIOXIN	<11	pg/L			<10	pg/L			28	EPA 1613	10
4,4-DDD	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
4,4-DDE	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
4,4-DDT	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ALDRIN	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ALPHA-BHC	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
BETA-BHC	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
GAMMA-BHC (LINDANE)	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
CHLORDANE	<0.1	µg/L			<0.1	µg/L			8	EPA 608	0.1
DIELDRIN	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ENDOSULFAN I (ALPHA)	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ENDOSULFAN II (BETA)	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ENDOSULFAN SULFATE	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ENDRIN	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
ENDRIN ALDEHYDE	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
HEPTACHLOR	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
HEPTACHLOR EPOXIDE	<0.01	µg/L			<0.01	µg/L			8	EPA 608	0.01
PCB-1016	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
PCB-1221	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
PCB-1232	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2

Appendix D
Albuquerque Bernalillo County Water Utility Authority
Southside Water Reclamation Plant (NM0022250)
Expanded Effluent Testing Data - Outfall 001

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Con.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
PCB-1242	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
PCB-1248	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
PCB-1254	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
PCB-1260	<0.2	µg/L			<0.2	µg/L			8	EPA 608	0.2
TOXAPHENE	<0.1	µg/L			<0.1	µg/L			8	EPA 608	0.1
2,4,5-TRICHLOROPHENOL	<0.5	µg/L			<0.5	µg/L			8	EPA 625	0.5
METHOXYCHLOR	<0.1	µg/L			<0.1	µg/L			8	EPA 608	0.1
2,4-D	<0.1	µg/L			<0.1	µg/L			4	EPA 615 - 1993	0.1
CHLORPYRIFOS	<0.4	µg/L			<0.4	µg/L			4	EPA 525.2 - 1995	0.4
DIAZINON	<0.0002	µg/L			<0.0002	µg/L			4	EPA 525.2 - 1995	0.0002
NONYLPHENOL	<0.5	µg/L			<0.5	µg/L			4	EPA 625	0.5
POLYCHLORINATED BIPHENYLS	0.0000603	µg/L	0.00003	lbs	0.0000603	µg/L	0.00003	lbs	1	EPA 1668C	0.0000221
RADIOLOGICALS.											
ADJUSTED GROSS ALPHA	0	pCi/L			0	pCi/L			4	calculated	
GROSS ALPHA	<115	pCi/L			<30.5	pCi/L			4	EPA 900.0 - 1980	3
RADIUM 226	<0.948	pCi/L			<0.948	pCi/L			4	EPA 903.0 - 1980	0.948
RADIUM 228	0.135	pCi/L			<0.03375	pCi/L			4	EPA 903.1 - 1980	1.15
RADON	<52.6	pCi/L			<50.1	pCi/L			4	SM 7500 Rn B	52.6

APPENDIX E

APPENDIX E.1

APPENDIX E.1.1

APPENDIX E.1.1.1

APPENDIX E.1.1.2

APPENDIX E.1.1.3

APPENDIX E.1.1.4

APPENDIX E.1.1.5

APPENDIX E.1.1.6

APPENDIX E.1.1.7

APPENDIX E.1.1.8

APPENDIX E.1.1.9

APPENDIX E.1.1.10

APPENDIX E.1.1.11

APPENDIX E.1.1.12

APPENDIX E.1.1.13

APPENDIX E.1.1.14

APPENDIX E.1.1.15

APPENDIX E.1.1.16

APPENDIX E.1.1.17

APPENDIX E.1.1.18

APPENDIX E.1.1.19

APPENDIX E.1.1.20

APPENDIX E.1.1.21

APPENDIX E.1.1.22

APPENDIX E.1.1.23

APPENDIX E.1.1.24

APPENDIX E.1.1.25

Appendix E

Whole Effluent Toxicity Test Results for

Albuquerque Bernalillo County Water Utility Authority Southside Water Reclamation Plant (#NM0022250)

October 2012 - December 2016

Test #	Test Date	DMR Submittal Date	Test Species	NOEC Survival %	NOEC Sublethal %
1	4-Oct-12	14-Nov-12	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
2	29-Jan-13	15-Feb-13	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
3	9-Apr-13	15-May-13	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
4	9-Jul-13	15-Aug-13	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
5	15-Oct-13	13-Nov-13	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
6	14-Jan-14	14-Feb-14	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
7	15-Apr-14	13-May-14	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
8	15-Jul-14	13-Aug-14	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
9	14-Oct-14	10-Nov-14	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
10	13-Jan-15	11-Feb-15	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
11	14-Apr-15	14-May-15	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
12	14-Jul-15	13-Aug-15	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
13	13-Oct-15	7-Jan-16	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
14	12-Jan-16	12-Feb-16	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
15	12-Apr-16	12-May-16	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
16	12-Jul-16	15-Aug-16	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81
17	11-Oct-16	14-Nov-16	<i>Ceriodaphnia dubia</i>	81	81
			<i>Pimephales promelas</i>	81	81

NOEC - No Observed Effect Concentration

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

APPENDIX F

Appendix F
Form 2A. Parts F.3 - F.7 Significant Industrial User Information

Name	Address	Industrial Process	Process Water Gallons Per Day	Non Process Water Gallons Per Day	Continuous or Intermittent	Pretreatment Local Limits	Categorical Pretreatment Standards	Category & Subcategory	Principal Products	Raw Products	Permit No	Class Code
ABQ Manufacturing, Inc.	1400 Broadway NE Albuquerque NM 87102	Electroplating	0	150	Intermittent	Y	Y	433.17	Metal Finishing	Copper Zinc	2262A	CIU
Brothers Plating Company, Inc.	6817 4th St NW Albuquerque NM 87107	Electroplating	92	250	Continuous	Y	Y	433.17	Metal Finishing	Copper, Nickel, Zinc	2091A	CIU
Chem-Tech, Inc. dba Darco Products, Inc.	8406 Washington PI NE Albuquerque NM 87113	Electroplating, Anodizing	0	300	Intermittent	Y	Y	433.17	Mounting Racks	Chrome, Nickel	2196A	CIU
CINT (Center For Integrated Nano Technologies)	1101 Eubank Blvd SE Albuquerque NM 87185	Electronic Component Research & Development	17,533	18,500	Continuous	Y	Y	469.18 469.28 433.17	Research	N/A	2238A	CIU
CTS Electronic Components, Inc.	4800 Alameda Blvd NE Albuquerque NM 87113	Electronic Components	26,615	17,855	Continuous	Y	Y	469.28	Electronic Components	Silver	2034A	CIU
Dean Dairy Holdings, LLC	1911 Second St NW Albuquerque NM 87102	Fluid Milk	139,729	134,300	Continuous	Y	Y	405.24 405.34 405.54	Milk, Cottage Cheese	Milk	2006A	CIU
Department of Energy and Sandia National Laboratories	DOE NNSA Sandia Site PO Box 5400 Albuquerque NM 87185	Electroplating, Plating, Anodizing, Physical & Biological Research, National Security	103,525	65,000	Continuous	Y	Y	433.17 469.18 469.28	N/A	N/A	2069F	CIU
Department of Energy and Sandia National Laboratories	Microelectronics Dev. Lab Albuquerque NM 87115	Semiconductors and Related Devices, National Security	268,564	1,000	Continuous	Y	Y	469.18 469.28	N/A	N/A	2069G	CIU
Department of Energy and Sandia National Laboratories	PO Box 5800, Dept 7044 Albuquerque NM 87185	Printed Circuit Boards, Semiconductors and Related Devices	15,492	1,600	Continuous	Y	Y	433.17 469.18	N/A	N/A	2069I	CIU
Eclipse Aerospace, Inc.	3230 Spirit Dr SE Albuquerque NM 87106	Aircraft	0	2,435	Intermittent	Y	Y	433.17	Aircraft	Aircraft Parts	2235A	CIU
Expo New Mexico	300 San Pedro NE Albuquerque NM 87108	Horse Track and State Fair Grounds	1,872	44,782	continuous	Y	Y	412.15	N/A	Horses, Livestock	2253A	CIU
Formulab...Naturally!	740 Rankin Rd NE Albuquerque NM 87107	Shampoo, Cream Rinse	181	1,000	Continuous	Y	Y	417.86	Shampoo, Hair Rinse	Soaps	2232A	CIU
G.T. Specialties	2901-A Edith Blvd NE Albuquerque NM 87107	Electroplating	149	137	continuous	Y	Y	433.17	Plated Metals	Copper	2252A	CIU
General Mills Operations, Inc.	3501 Paseo Del Norte NE Albuquerque NM 87113	Cereal Breakfast Foods	3,338	100,000	Continuous	Y	Y	406.96	Cereal Foods	Oats, Food Grade Inks, Oil	2181A	CIU
HollyFrontier Asphalt Company, LLC	4949 Edith Blvd NE Albuquerque NM 87107	Petroleum Refining	5,934	6,950	Intermittent	Y	Y	443.16 443.26	Asphaltic Cement	Asphalt Diesel Fuel	2225A	CIU
HT Micro Analytical, Inc.	3817 Academy Pkwy NE Albuquerque NM 87109	Electronic Components	420	70	Continuous	Y	Y	433.17	Electronic Components	wafers	2223A	CIU
Intel Corporation	4100 Sara Rd Rio Rancho NM 87124	Semiconductors and Related Devices	1,800,351	550,000	Continuous	Y	Y	469.16	Computer Chips	Silicon Wafers	2021A	CIU
Kaehr Corporation	1425 Candelaria Rd NE Albuquerque NM 87107	Electroplating, Plating, Polishing, Anodizing, and Coloring	11,783	1,000	Continuous	Y	Y	413.44 413.14	Plated Steel	Organic Compounds, Plating Waste	2022A	CIU
Materion Advanced Technologies	6905 Washington NE A Albuquerque NM 87109	Secondary Smelting and Refining of Nonferrous Metals	106	20,324	Continuous	Y	Y	421.126 421.266	Gold & Silver	Gold, Silver	2013A	CIU
Materion Advanced Technologies	5941 Midway Park Blvd, Ste A Albuquerque NM 87109	Metal Recovery	0	33,130	Intermittent	Y	Y	421.266	Recovered Metals	Metals	2257A	CIU
Materion Advanced Materials Technologies & Services	5600 University Blvd SE Albuquerque NM 87106	Metal Recovery	125	50	Continuous	Y	Y	421.266	Recovered Metals	Metals	2248A	CIU
Metal Finishing Specialty	115 Palomas Dr NE Albuquerque NM 87108	Electroplating, Plating, Polishing, Anodizing	0	115	Intermittent	Y	Y	433.17	Plated Metals	Metals	2221A	CIU

Appendix F
Form 2A. Parts F.3 - F.7 Significant Industrial User Information

Name	Address	Industrial Process	Process Water Gallons Per Day	Non Process Water Gallons Per Day	Continuous or Intermittent	Pretreatment Local Limits	Categorical Pretreatment Standards	Category & Subcategory	Principal Products	Raw Products	Permit No	Class Code
Optimum Finish, Inc.	8527 Calle Alameda St NE Albuquerque NM 87113	Electroplating	336	0	Continuous	Y	Y	433.17	Plated Metals	Metals	2241A	CIU
Oso Biopharmaceuticals Mfg.	4272 Balloon Park Rd NE Albuquerque NM 87107	Pharmaceutical Preparations	2,177	6,390	Continuous	Y	Y	439.47	Pharmaceuticals	Drug Components	2055A	CIU
Oso Biopharmaceuticals Mfg.	4200 Balloon Park Rd NE Albuquerque NM 87109	Commercial Physical and Biological Research	0	5,586	Intermittent	Y	Y	439.47	Pharmaceuticals	Drug Substances, Drug Components	2055B	CIU
Red Sky Corporation	630 Oak St SE Albuquerque NM 87106	Electroplating, Plating, Polishing, Anodizing, and Coloring	200	100	Intermittent	Y	Y	433.17	Common Metal Finishing	Copper, Tin	2041B	CIU
SolAero Technologies Corporation	10420 Research Rd SE Albuquerque NM 87123	Electronic Components	71,796	60,945	Continuous	Y	Y	469.18 469.28	Semi-Conductors	Ganadium Arsenide	2209A	CIU
STA Technologies, Inc.	5401 Venice Blvd NE Albuquerque NM 87111	Anti-counterfeiting Reseach and Production	296	2,150	Intermittent	Y	Y	471.105	Anti-counterfeiting Ink Additives	Rare Earth Oxides	2227A	CIU
STA Technologies, Inc.	5454 Pasadena Ave NE Albuquerque NM 87113	Anti-counterfeiting Production	83	200	Continuous	Y	Y	471.105	Anti-counterfeiting Ink Additives	Rare Earth Oxides	2251A	CIU
SUMCO Phoenix Corporation pka Sumitomo Sitix Silicon Inc.	9401 San Mateo Blvd NE Albuquerque NM 87113	Semiconductors and Related Devices	120	1,500	Continuous	Y	Y	469.28	Epitaxial Silicon Wafers	Acid & Alkaline, Solvents & Thinners	2195A	CIU
Sunwest Silver Co., Inc. dba Waldeck Jewelers	9817 Acoma St SE Albuquerque NM 87123	Electroplating, Polishing, Anodizing, and Costume Jewelry	0	0	Intermittent	Y	Y	433.17 464.26	Costume & Sterling Silver Jewelry	Sterling Silver, Copper, Bronze, Tin	2044A	CIU
TCS Industries	10111 Bell Ave SE Albuquerque NM 87114	Metal Plating	0	237	Intermittent	Y	Y	433.17	Electroplating	Copper, Nickel	2264A	CIU
The Circuit Shop, Inc.	8512 San Joaquin SE Albuquerque NM 87108	Printed Circuit Boards	25	340	Continuous	Y	Y	413.84	Copper Clad Boards	Copper, Nickel, Tin	2026A	CIU
The Paint Shop	1441 Candelaria NE Albuquerque NM 87107	Electroplating, Plating, Polishing, Anodizing, and Coloring	2,538	1,056	Continuous	Y	Y	433.17	Coated Products	Phosphate Wash, Zinc, Nickel	2237A	CIU
Theta Plate Inc.	3330 Princeton Dr NE Albuquerque NM 87107	Electroplating, Plating, Polishing, Anodizing	183	150	Intermittent	Y	Y	433.17	Metal Electroplating	Metal Objects	2043A	CIU
Thomas & Betts Corporation dba Elastimold	6625 Bluewater Rd NW Albuquerque NM 87121	Fabricated Rubber Products	95	5,825	Continuous	Y	Y	428.66	Current Carrying Devices	Acids	2028A	CIU
TPL, Inc.	3921 Academy Pkwy N NE Albuquerque NM 87109	Electronic Crystals	1	150	Continuous	Y	Y	469.28	Ceramic Powder, Barium Titanate	Barium	2230A	CIU
Albuquerque Publishing Company	7777 Jefferson NE Albuquerque NM 87109	Newspaper Printing	7,216	300	Continuous	Y			Newspapers	Water-based Ink, paper	2046A	SIU
Ameripride Linen and Apparel Services	517 First St NW Albuquerque NM 87102	Laundry	36,422	36,800	Continuous	Y			Laundry	Detergent, Bleach	2047A	SIU
Delta Uniform and Linen, Inc.	1617 Candelaria Rd. NE Albuquerque NM 87107	Laundry	36,000	1,200	Continuous	Y			Laundry	Detergent, Bleach	2207A	SIU
Department of Energy and Sandia National Laboratories	Technical Areas III & V Albuquerque NM 87115	Commercial Physical and Biological Research	0	82,500	Continuous	Y			N/A	N/A	2069K	SIU
Department of Energy and Sandia National Laboratories	DOE NNSA Sandia Site PO Box 5400 Albuquerque NM 87185	Commercial Physical and Biological Research, National Security	398,192	489,000	Continuous	Y			N/A	N/A	2069A	SIU
Ecotex-Healthcare Laundry Services, LLC	7600-A Los Volcanes Rd NW Albuquerque NM 87121	Laundry	35,500		Continuous	Y			Laundry	Detergent, Bleach	2206A	SIU
El Encanto Inc.	2001 Fourth St SW Albuquerque NM 87102	Food Preparations	39,514	106,251	Continuous	Y			Chili & Corn Food Products	Corn, Lime	2002A	SIU

Appendix F
Form 2A. Parts F.3 - F.7 Significant Industrial User Information

Name	Address	Industrial Process	Process Water Gallons Per Day	Non Process Water Gallons Per Day	Continuous or Intermittent	Pretreatment Local Limits	Categorical Pretreatment Standards	Category & Subcategory	Principal Products	Raw Products	Permit No	Class Code
Ethicon Endo-Surgery, Inc.	3801 University Blvd SE Albuquerque NM	Assemble and Sterilization of Medical Devices	29,625	19,756	Intermittent	Y			Sterilization, Assemble Medical Devices	Cobalt	2018A	SIU
G&K Services, Inc.	5101 Wilshire Ave NE Albuquerque NM 87113	Laundry	47,553	48,800	Continuous	Y			Laundry	Detergent, Bleach	2051A	SIU
Ink Spot Towel Service, Inc.	142 Tennessee St NE Albuquerque NM 87108	Laundry	1,709	87	Continuous	Y			Laundry	Sodium Metasilicate	2214A	SIU
Kirtland Air Force Base	377 Msg/Cev 2050 Wyoming Blvd SE Albuquerque NM 87117	National Security	4,874	65,000	Continuous	Y			N/A	N/A	2068A	SIU
Lovelace Respiratory Research Institute	Area Y, Kirtland Air Force Base Albuquerque NM 87108	Noncommercial Biological Research	33,446	47,000	Continuous	Y			N/A	N/A	2178A	SIU
Mission Linen & Uniform Service	4315 Hawkins St NE Albuquerque NM 87109	Laundry	52,664	26,910	Continuous	Y			Laundry	Detergent, Bleach	2087A	SIU
New Mexico Food Distributers, Inc.	3041 University Blvd SE Albuquerque NM 87106	Corn SW Food Processer	16,727	2,000	Continuous	y			Corn Tamales, Chile Rellenos	Corn, Lime	2261A	SIU
New Mexico Scientific Laboratories	1101 Camino De Salud NE Albuquerque NM 87102	Noncommercial Biological Research	12,341	11,000	Continuous	Y			N/A	Drug Substances	2242a	SIU
Prudential Overall Supply	8344 Corona Loop NE Albuquerque NM 87113	Laundry	68,036	570	Continuous	Y			Laundry	Detergent, Bleach	2190A	SIU
Stericycle, Inc.	1920 1st St NW Albuquerque NM 87102	Medical Waste Destruction	7,805	500	Continuous	Y			N/A	Medical Waste	2222A	SIU
Unifirst Corporation	215 Altez SE Albuquerque NM 87123	Laundry	40,943	1,000	Continuous	Y			Laundry	Detergent, Bleach	2186A	SIU
Wagner Equipment Co. pka Rust Tractor Company	4000 Osuna Rd NE Albuquerque NM 87109	Construction and Mining Machinery (except Petroleum), Equipment/Repair	3,487	19,868	Continuous	Y			Repaired Engines	TSS, Oil & Grease, Phenolic Fluoride	2076A	SIU

APPENDIX G

APPENDIX G.1

APPENDIX G.1.1

APPENDIX G.1.1.1

APPENDIX G.1.1.2

APPENDIX G.1.1.3

APPENDIX G.1.1.4

APPENDIX G.1.1.5

APPENDIX G.1.1.6

APPENDIX G.1.1.7

APPENDIX G.1.1.8

APPENDIX G.1.1.9

APPENDIX G.1.1.10

APPENDIX G.1.1.11

APPENDIX G.1.1.12

APPENDIX G.1.1.13

APPENDIX G.1.1.14

APPENDIX G.1.1.15

APPENDIX G.1.1.16

APPENDIX G.1.1.17

APPENDIX G.1.1.18

APPENDIX G.1.1.19

APPENDIX G.1.1.20

APPENDIX G.1.1.21

APPENDIX G.1.1.22

APPENDIX G.1.1.23

APPENDIX G.1.1.24

APPENDIX G.1.1.25

APPENDIX G.1.1.26

APPENDIX G.1.1.27

APPENDIX G.1.1.28

APPENDIX G.1.1.29

APPENDIX G.1.1.30

APPENDIX G.1.1.31

APPENDIX G.1.1.32

APPENDIX G.1.1.33

APPENDIX G.1.1.34

APPENDIX G.1.1.35

APPENDIX G.1.1.36

APPENDIX G.1.1.37

APPENDIX G.1.1.38

APPENDIX G.1.1.39

APPENDIX G.1.1.40

APPENDIX G.1.1.41

APPENDIX G.1.1.42



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Harold Runnels Building
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov



RYAN FLYNN
Cabinet Secretary

BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

January 8, 2016

Charles Leder, Plant Operations Division Manager
Albuquerque Bernalillo County Water Utility Authority
4201 2nd Street SW
Albuquerque, NM 87105

RECEIVED

JAN 19 2016

INDUSTRIAL PRETREATMENT

RE: Discharge Permit Renewal, DP-521, West Mesa Disposal Site

Dear Mr. Leder:

The New Mexico Environment Department (NMED) issues the enclosed Discharge Permit Renewal, DP-521, to Albuquerque Bernalillo County Water Utility Authority (permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, 20.6.2 NMAC.

The Discharge Permit contains terms and conditions that shall be complied with by the permittee and are enforceable by NMED pursuant to Section 20.6.2.3104 NMAC, WQA, NMSA 1978 §74-6-5 and §74-6-10. Please be aware that this Discharge Permit may contain conditions that require the permittee to implement operational, monitoring or closure actions by a specified deadline. Such conditions are listed at the beginning of the operational, monitoring and closure plans of this Discharge Permit.

Issuance of this Discharge Permit does not relieve the permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

Pursuant to Paragraph (4) of Subsection H of 20.6.2.3109 NMAC, the term of the Discharge Permit shall be five years from the effective date. The term of this Discharge Permit will end on January 7, 2021.

NMED requests that the permittee submit an application for renewal (or renewal and modification) at least 180 days prior to the date the Discharge Permit term ends.

An invoice for the Discharge Permit Fee of \$3,450.00 is being sent under separate cover. Payment of the Discharge Permit Fee must be received by NMED within 30 days of the date the Discharge Permit is issued.

If you have any questions, please contact Matt Slafkosky at (505) 827-2949. Thank you for your cooperation during this Discharge Permit review.

Sincerely,



Michelle Hunter, Chief
Ground Water Quality Bureau

MH:ms

Encs: Discharge Permit Renewal, DP-521
Sludge Disposal Data Sheet (SDDS; also available at the following website:
<http://www.nmenv.state.nm.us/gwb/forms/NewMexicoEnvironmentDepartment-GroundWaterQualityBureau-Forms.htm>)

cc: Bill Chavez, District Manager, NMED District I (electronic copy)
NMED Albuquerque Field Office (electronic copy)
John Romero, Office of the State Engineer (electronic copy)
Anne Keller, SWQB, UOCP (electronic copy)
Joe Bailey, Superintendent, 4201 2nd Street SW, Albuquerque, NM 87105
(permit/enclosures)

GROUND WATER DISCHARGE PERMIT RENEWAL

West Mesa Disposal Site, DP-521

I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-521, to the Albuquerque Bernalillo County Water Utility Authority (permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from the West Mesa Disposal Site (facility) into ground and surface water, so as to protect ground and surface water for present and potential future use as domestic and agricultural water supply and other uses and protect public health. In issuing this Discharge Permit, NMED has determined that the requirements of Subsection C of 20.6.2.3109 NMAC have been or will be met. Pursuant to Section 20.6.2.3104 NMAC, it is the responsibility of the permittee to comply with the terms and conditions of this Discharge Permit; failure may result in an enforcement action(s) by NMED (20.6.2.1220 NMAC).

The activities which produce the discharge, the location of the discharge, and the quantity, quality, and flow characteristics of the discharge are briefly described as follows:

A combined total of up to 95,000 gallons per day (gpd) or up to 60.3 dry metric tons per day of treated municipal sludge and sewer line grit from the City of Albuquerque sanitary sewer collection system and Southside Water Reclamation Plant is discharged at the West Mesa Disposal Site.

- Anaerobically digested and dewatered (solid) Class B sludge is spread on the surface of the 5,050-acre Rangeland Restoration Area;
- Anaerobically digested and dewatered Class B sludge (solid, semi-solid, or liquid) is spread and then tilled into the fields of the 418-acre Soil Amendment Facility;
- Sewer line grit is spread and then tilled into Soil Amendment Facility fields;
- Residual sludge and grit, originating from cleaning the digesters, is sprayed onto the Soil Amendment Facility fields and tilled; and
- Liquid sludge originating from rinsing the sludge trucks and other vehicle wash water is discharged to a synthetically lined lagoon near the vehicle maintenance shop, and it is then sprayed on Soil Amendment Facility fields and tilled when the lagoon reaches capacity or requires maintenance.

The discharge contains water contaminants which may be elevated above the standards of Section 20.6.2.3103 NMAC and/or the presence of toxic pollutants as defined in Subsection WW of 20.6.2.7 NMAC.

The facility is located at 7400 Access Road NW, Albuquerque, in Sections 3, 4, 5, 8, 9, 10, 14, 15, 16, 17, 22, 23, 26, 27, and 34, T11N, R01E, Bernalillo County. Groundwater beneath the site

is at a depth of approximately 922 feet and has a total dissolved solids concentration of approximately 312 milligrams per liter.

The original Discharge Permit was issued on January 29, 1988 and subsequently renewed and/or modified on August 24, 1990, February 7, 1997, June 8, 2001, January 21, 2005, and May 3, 2010. The application (i.e., discharge plan) consists of the materials submitted by the permittee dated November 10, 2014 and materials contained in the administrative record prior to issuance of this Discharge Permit. The discharge shall be managed in accordance with all conditions and requirements of this Discharge Permit.

Pursuant to Section 20.6.2.3109 NMAC, NMED reserves the right to require a Discharge Permit Modification in the event NMED determines that the requirements of 20.6.2 NMAC are being or may be violated or the standards of Section 20.6.2.3103 NMAC are being or may be violated. This may include a determination that structural controls and/or management practices approved under this Discharge Permit are not protective of groundwater quality, and that more stringent requirements to protect groundwater quality may be required by NMED. The permittee may be required to implement abatement of water pollution and remediate groundwater quality.

Issuance of this Discharge Permit does not relieve the permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

The following acronyms and abbreviations may be used in this Discharge Permit:

Abbreviation	Explanation	Abbreviation	Explanation
BOD ₅	biochemical oxygen demand (5-day)	NMED	New Mexico Environment Department
CFR	Code of Federal Regulations	NMSA	New Mexico Statutes Annotated
CFU	Colony Forming Unit	NO ₃ -N	nitrate-nitrogen
Cl	chloride	NTU	nephelometric turbidity units
EPA	United States Environmental Protection Agency	TDS	total dissolved solids
gpd	gallons per day	TKN	total Kjeldahl nitrogen
LAA	land application area	total nitrogen	= TKN + NO ₃ -N
LADS	land application data sheet(s)	TRC	Total Residual Chlorine
mg/L	milligrams per liter	TSS	total suspended solids
mL	milliliters	WQA	New Mexico Water Quality Act
MPN	Most Probable Number	WQCC	Water Quality Control Commission
NMAC	New Mexico Administrative Code	WWTF	Wastewater Treatment Facility

II. FINDINGS

In issuing this Discharge Permit, NMED finds:

1. The permittee is discharging effluent or leachate from the facility so that such effluent or leachate may move directly or indirectly into groundwater within the meaning of Section 20.6.2.3104 NMAC.
2. The permittee is discharging effluent or leachate from the facility so that such effluent or leachate may move into groundwater of the State of New Mexico which has an existing concentration of 10,000 mg/L or less of TDS within the meaning of Subsection A of 20.6.2.3101 NMAC.
3. The discharge from the facility is not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

III. AUTHORIZATION TO DISCHARGE

Pursuant to 20.6.2.3104 NMAC, it is the responsibility of the permittee to ensure that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein.

A combined total of up to 95,000 gallons per day (gpd) or up to 60.3 dry metric tons per day of treated municipal sludge and sewer line grit from the City of Albuquerque sanitary sewer collection system and Southside Water Reclamation Plant is discharged at the West Mesa Disposal Site.

- Anaerobically digested and dewatered (solid) Class B sludge is spread on the surface of the 5,050-acre Rangeland Restoration Area;
- Anaerobically digested and dewatered Class B sludge (solid, semi-solid, or liquid) is spread and then tilled into the fields of the 418-acre Soil Amendment Facility;
- Sewer line grit is spread and then tilled into Soil Amendment Facility fields;
- Residual sludge and grit, originating from cleaning the digesters, is sprayed onto the Soil Amendment Facility fields and tilled; and
- Liquid sludge originating from rinsing the sludge trucks and other vehicle wash water is discharged to a synthetically lined lagoon near the vehicle maintenance shop, and it is then sprayed on Soil Amendment Facility fields and tilled when the lagoon reaches capacity or requires maintenance.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3109 NMAC]

IV. CONDITIONS

The following conditions shall be complied with by the permittee and are enforceable by NMED. The permittee is authorized to discharge water contaminants subject to the following conditions.

OPERATIONAL PLAN

#	Terms and Conditions
1.	<p>The permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 1 and 2 NMAC.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
2.	<p>The permittee shall operate in a manner such that standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC are not violated.</p> <p>[20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
3.	<p>The permittee shall conduct surface disposal of sludge at the Soil Amendment Facility as follows:</p> <ul style="list-style-type: none">a) The permittee shall spread sludge on the surface of the ground and then till the soil to a depth of at least 12 inches by the end of each day.b) The permittee shall spray liquified sludge evenly on the surface of the ground in such a manner as to avoid excessive ponding.c) The permittee shall distribute the sludge so that each of the eleven disposal fields receives approximately the same loading in dry metric tons of sludge per acre over a two-year period.d) In the event that the active disposal field is snow covered, the field shall be tilled before sludge spreading begins. <p>[20.6.2.3109 NMAC, 40.503(32)b.5 CFR]</p>
4.	<p>The permittee shall conduct surface disposal of sludge to the Rangeland Restoration Area as follows:</p> <ul style="list-style-type: none">a) The permittee shall deposit sludge at the Rangeland Restoration Area and spread it as evenly as possible on the surface of the ground within 72 hours.b) The permittee shall apply sludge at application rates not exceeding 20 dry tons per acre per year.c) The permittee shall not apply sludge to the Rangeland Restoration Area when the land is flooded, frozen, or covered with snow.d) The permittee shall exclude livestock from treated pastures for at least 30 days after sludge has been applied, consistent with 40 CFR Part 503.e) The permittee shall apply sludge in a manner which prevents runoff of sludge from the Rangeland Restoration Area.f) The permittee shall not apply to a field with a repeat application of sludge until after all fields in the Rangeland Restoration Area have received sludge applications. <p>[20.6.2.3109 NMAC, 40.503(32)b.5 CFR]</p>

#	Terms and Conditions
5.	<p>The lagoon liners shall be maintained in such a manner as to avoid conditions which could affect the structural integrity of the lagoons and/or lagoon liners. Such conditions include, but are not limited to:</p> <ul style="list-style-type: none"> • Erosion damage; • Animal activity/damage; • The presence of vegetation, such as, aquatic plants, weeds, woody shrubs or trees growing within five feet of the lagoon edge or within the lagoon itself; • Evidence of seepage; • Evidence of berm subsidence; and/or • The presence of large pieces or large quantities of debris in the lagoon. <p>The permittee shall visually inspect the lagoons and surrounding berms on a monthly basis to ensure proper maintenance. Vegetation growing around the lagoons shall be routinely controlled by mechanical removal in a manner that is protective of the lagoon liner. Any evidence of damage to the lagoon berm or liner shall be reported to NMED immediately upon discovery.</p> <p>[20.6.2.3107 NMAC]</p>
6.	<p>The permittee shall maintain a minimum of two feet of freeboard between the liquid level in the lagoons and the top elevation of the lagoon liners at all times.</p> <p>[20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
7.	<p>Prior to using any of the four synthetically lined lagoons along the western boundary of the Soil Amendment Facility for storage or disposal of liquified sludge, the permittee shall notify NMED in writing and shall inspect/maintain the lagoon(s) and surrounding berms as described in Condition 6. In the event that inspection findings reveal significant damage likely to affect the ability of the lined lagoon(s) to contain contaminants, the permittee shall submit a corrective action plan to NMED for approval prior to discharging to any of the four synthetically lined lagoons that has been damaged.</p> <p>[20.6.2.3109 NMAC]</p>
8.	<p>The permittee shall maintain fences around the entire disposal facility to prevent unrestricted access. A minimum of a three-strand barbed wire fence and locked gate shall surround the facility.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
9.	<p>The permittee shall maintain the following signs at the following locations:</p> <ul style="list-style-type: none"> • Signs in both English and Spanish that state: "Notice: Waste Disposal Area - KEEP

#	Terms and Conditions
	<p>OUT” and “Aviso: Área de Disposición - NO ENTRAR” posted at the facility entrance and every 500 feet along the facility boundary.</p> <ul style="list-style-type: none"> • A sign with the name of the facility’s contact person, office phone number of the contact person, emergency contact phone number for the facility, and physical location of facility including township, range, and section(s) posted at the entrance gate. • A sign to identify each cell by number and the waste type authorized to be discharged in the cell. All signs shall be weatherproof and posted at the boundary of the cells to facilitate a rotational disposal schedule as required in conditions below. <p>All signs shall remain legible for the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
10.	<p>The permittee shall inspect the facility weekly and collect any residual solid waste (trash) on the facility site. The collected materials shall be disposed of in a manner consistent with all local, state, and federal regulations.</p> <p>[20.6.2.3109 NMAC]</p>
11.	<p>The permittee shall utilize operators, certified by the State of New Mexico at the appropriate level, to operate the West Mesa Disposal Site. All disposal activities at the site shall be performed by, or under the direct supervision of, a certified operator.</p> <p>[20.7.4 NMAC]</p>

MONITORING, REPORTING, AND OTHER REQUIREMENTS

#	Terms and Conditions
12.	<p>The permittee shall conduct the monitoring, reporting, and other requirements listed below.</p> <p>[20.6.2.3107 NMAC]</p>
13.	<p>METHODOLOGY - Unless otherwise approved in writing by NMED, the permittee shall conduct sampling and analysis in accordance with the most recent edition of the following documents:</p> <ul style="list-style-type: none"> a) American Public Health Association, Standard Methods for the Examination of Water and Wastewater (18th, 19th or current) b) U.S. Environmental Protection Agency, Methods for Chemical Analysis of Water and Waste c) U.S. Geological Survey, Techniques for Water Resource Investigations of the U.S. Geological Survey

#	Terms and Conditions
	<p>d) American Society for Testing and Materials, Annual Book of ASTM Standards, Part 31. Water</p> <p>e) Federal Register, latest methods published for monitoring pursuant to Resource Conservation and Recovery Act regulations</p> <p>f) U.S. Geological Survey, et al., National Handbook of Recommended Methods for Water Data Acquisition</p> <p>g) Methods of Soil Analysis: Part 1. Physical and Mineralogical Methods; Part 2. Microbiological and Biochemical Properties; and Part 3. Chemical Methods, American Society of Agronomy.</p> <p>[20.6.2.3107.B NMAC]</p>
14.	<p>The permittee shall submit annual monitoring reports to NMED by the 1st of March each year.</p> <p>[20.6.2.3107 NMAC]</p>
15.	<p>The permittee shall measure the volume and the total solids (in dry weight) of dewatered sludge discharged to the Rangeland Restoration Area each month. The dry weight total solids of dewatered sludge shall be measured by tracking the volume of dewatered sludge transported from the WWTP to the disposal site and the average percent total solids concentration of the dewatered sludge. Records of the volume and total solids dry weight of the dewatered sludge discharged to the Rangeland Restoration Area shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>
16.	<p>The permittee shall measure the volume and the total solids (in dry weight) of dewatered sludge discharged to the Soil Amendment Facility each month. The dry weight total solids of dewatered sludge shall be measured by tracking the volume of dewatered sludge transported from the WWTP to the disposal site and the average percent total solids concentration of the dewatered sludge. Records of the volume and total solids dry weight of the dewatered sludge discharged to Soil Amendment Facility shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>
17.	<p>The permittee shall measure the volume and the total solids (in dry weight) of sewer line grit, residual sludge and grit originating from cleaning the digesters, and liquified sludge originating from the synthetically lined lagoon near the vehicle maintenance shop discharged to the Soil Amendment Facility each month. The dry weight total solids of the grit and liquefied sludge shall be measured by tracking the volume of grit and liquefied sludge discharged to the Soil Amendment Facility and the average percent total solids</p>

#	Terms and Conditions
	<p>concentration of the grit and liquefied sludge. Records of the volume and the total solids (in dry weight) of sewer line grit, residual sludge and grit originating from cleaning the digesters, and liquified sludge originating from the synthetically lined lagoon near the vehicle maintenance shop discharged to Soil Amendment Facility shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>
18.	<p>The permittee shall sample dewatered sludge that is to be discharged to the Soil Amendment Facility and Rangeland Restoration Area for TKN and NO₃-N each month. Analytical results, reported as mg/kg TKN and NO₃-N (dry weight basis), shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>
19.	<p>The permittee shall collect two composite soil samples annually from the following locations:</p> <ul style="list-style-type: none"> a) each of the Soil Amendment Facility fields where sludge was applied; b) two locations within the playa located in the Soil Amendment Facility; c) one location within each stormwater retention basin at the eastern extent of the Soil Amendment Facility; d) one location within an untreated Soil Amendment Facility field; e) two locations within each treated Rangeland Restoration Area field; and f) one location within one untreated Rangeland Restoration Area field. <p>In each location, six soil aliquots shall be collected at a depth of 24 inches and six soil aliquots shall be collected at a depth of 60 inches. The six aliquots collected at each depth shall be mixed to create two composite soil samples. All soil samples shall be analyzed for TKN and NO₃-N. Soil NO₃-N shall be analyzed by a 2 molar KCl extract, as described in Methods of Soil Analysis: Part 2, Chemical and Microbiological Properties, Agronomy Monograph no.9 (2nd edition), pp 643-698, American Society of Agronomy, or another method approved by NMED. Analytical results and a map outlining the sampling locations shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>
20.	<p>The permittee shall sample wastewater from a representative location within the synthetically lined lagoon near the vehicle maintenance shop on a semi-annual basis and analyze the samples for TKN, NO₃-N, and volatile and semi-volatile organic compounds (EPA Methods 8260 and 8270.) Samples shall be properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. Analytical results shall be submitted to NMED in the annual monitoring report.</p>

#	Terms and Conditions
	[20.6.2.3107 NMAC]
21.	<p>The permittee shall complete a Surface Disposal Data Sheet (SDDS) each month to document the amount of nitrogen applied to each surface disposal cell. A SDDS shall be completed for each sludge type (solid, semi-solid and liquid) associated with each disposal cell, and it shall reflect the nitrogen concentration from the monthly sludge analysis and the total number of dry tons discharged each month. Nitrogen content shall not be adjusted to account for volatilization or mineralization processes. The SDDS, or a statement that no surface disposal occurred within the specific cells, shall be submitted to NMED in the annual monitoring report.</p> <p>[20.6.2.3107 NMAC]</p>

CONTINGENCY PLAN

#	Terms and Conditions
22.	<p>In the event that a groundwater quality standard identified in Section 20.6.2.3103 NMAC is exceeded; the total nitrogen concentration in groundwater is greater than 10 mg/L; or a toxic pollutant (defined in Subsection WW of 20.6.2.7 NMAC) is present in groundwater during the term of this Discharge Permit, upon closure of the facility or during the implementation of post-closure requirements, the permittee shall propose measures to mitigate damage from the discharge including, at a minimum, source control measures and a completion schedule by submitting a corrective action plan to NMED for approval. The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, should the corrective action plan not result in compliance with the standards and requirements set forth in Section 20.6.2.4103 NMAC within 180 days of confirmation of groundwater contamination.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
23.	<p>In the event that a release (commonly known as a "spill") occurs that is not authorized under this Discharge Permit, the permittee shall take measures to mitigate damage from the unauthorized discharge and initiate the notifications and corrective actions required in Section 20.6.2.1203 NMAC and summarized below.</p> <p>Within <u>24 hours</u> following discovery of the unauthorized discharge, the permittee shall verbally notify NMED and provide the following information:</p> <ol style="list-style-type: none"> The name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility. The name and address of the facility. The date, time, location, and duration of the unauthorized discharge.

#	Terms and Conditions
	<p>d) The source and cause of unauthorized discharge.</p> <p>e) A description of the unauthorized discharge, including its estimated chemical composition.</p> <p>f) The estimated volume of the unauthorized discharge.</p> <p>g) Any actions taken to mitigate immediate damage from the unauthorized discharge.</p> <p>Within <u>one week</u> following discovery of the unauthorized discharge, the permittee shall submit written notification to NMED with the information listed above and any pertinent updates.</p> <p>Within <u>15 days</u> following discovery of the unauthorized discharge, the permittee shall submit a corrective action report/plan to NMED describing any corrective actions taken and/or to be taken relative to the unauthorized discharge that includes the following:</p> <p>a) A description of proposed actions to mitigate damage from the unauthorized discharge.</p> <p>b) A description of proposed actions to prevent future unauthorized discharges of this nature.</p> <p>c) A schedule for completion of proposed actions.</p> <p>In the event that the unauthorized discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 20.6.2.4103 NMAC, and the water pollution will not be abated within 180 days after notice is required to be given pursuant to Paragraph (1) of Subsection A of 20.6.2.1203 NMAC, the permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC.</p> <p>Nothing in this condition shall be construed as relieving the permittee of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>
24.	<p>In the event that NMED or the permittee identifies any failures of the discharge plan or this Discharge Permit not specifically noted herein, NMED may require the permittee to submit a corrective action plan and a schedule for completion of corrective actions to address the failure(s). Additionally, NMED may require a Discharge Permit modification to achieve compliance with 20.6.2 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>

CLOSURE PLAN

#	Terms and Conditions
25.	<p>Upon closure of the facility, the permittee shall perform the following closure measures:</p> <ul style="list-style-type: none"> a) Re-vegetate the cells and disturbed areas at the facility by establishing a vegetative cover equal to 70% of the native perennial vegetative cover consisting of at least three native plant species including at least one grass, but not including noxious weeds. The permittee shall maintain the vegetative cover through two consecutive growing seasons. b) Following final grading and re-seeding of the facility, the permittee shall maintain the perimeter fencing and security gate for a minimum of three years to prevent unauthorized access. c) Submit proof to NMED that all closure activities set forth for the facility under 40 CFR 503 have been completed. d) Following completion of the closure activities above, continue monitoring as required by this Discharge Permit for two years to confirm the absence of groundwater contamination. If monitoring results show that the groundwater standards in Section 20.6.2.3103 NMAC are being violated, the permittee shall implement the contingency plan required by this Discharge Permit. <p>When all closure and post-closure requirements have been met, the permittee may request to terminate the Discharge Permit.</p> <p>[20.6.2.3107.A(11) NMAC]</p>

GENERAL TERMS AND CONDITIONS

#	Terms and Conditions
26.	<p>RECORD KEEPING - The permittee shall maintain a written record of the following information:</p> <ul style="list-style-type: none"> a) Information and data used to complete the application for this Discharge Permit. b) Records of any releases (commonly known as "spills") not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC. c) Records of the operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater. d) Facility record drawings (plans and specifications) showing the actual construction of the facility and bear the seal and signature of a licensed New Mexico professional engineer. e) Copies of monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit. f) The volume of wastewater or other wastes discharged pursuant to this Discharge Permit. g) Groundwater quality and wastewater quality data collected pursuant to this Discharge

#	Terms and Conditions
	<p>Permit.</p> <ul style="list-style-type: none"> h) Copies of construction records (well log) for all groundwater monitoring wells required to be sampled pursuant to this Discharge Permit. i) Records of the maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit. j) Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit. The following information shall be recorded and shall be made available to NMED upon request: <ul style="list-style-type: none"> i) The dates, location, and times of sampling or field measurements; ii) The name and job title of the individuals who performed each sample collection or field measurement; iii) The sample analysis date of each sample; iv) The name and address of the laboratory, and the name of the signatory authority for the laboratory analysis; v) The analytical technique or method used to analyze each sample or collect each field measurement; vi) The results of each analysis or field measurement, including raw data; vii) The results of any split, spiked, duplicate or repeat sample; and viii) A copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used. <p>The written record shall be maintained by the permittee at a location accessible during a facility inspection by NMED for a period of at least five years from the date of application, report, collection, or measurement and shall be made available to the department upon request.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>
27.	<p>INSPECTION and ENTRY – The permittee shall allow inspection by NMED of the facility and its operations which are subject to this Discharge Permit and the WQCC regulations. NMED may, upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which are located any records required to be maintained by regulations of the federal government or the WQCC.</p> <p>The permittee shall allow NMED to have access to and reproduce for their use any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this Discharge Permit and the WQCC regulations.</p> <p>Nothing in this Discharge Permit shall be construed as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other local,</p>

#	Terms and Conditions
	<p>state or federal regulations.</p> <p>[Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]</p>
28.	<p>DUTY to PROVIDE INFORMATION - The permittee shall, upon NMED's request, allow for NMED's inspection/duplication of records required by this Discharge Permit and/or furnish to NMED copies of such records.</p> <p>[Subsection D of 20.6.2.3107 NMAC]</p>
29.	<p>MODIFICATIONS and/or AMENDMENTS – In the event the permittee proposes a change to the facility or the facility's discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the facility, the permittee shall notify NMED prior to implementing such changes. The permittee shall obtain approval (which may require modification of this Discharge Permit) by NMED prior to implementing such changes.</p> <p>[Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]</p>
30.	<p>PLANS and SPECIFICATIONS – In the event the permittee is proposing to construct a wastewater system or change a process unit of an existing system such that the quantity or quality of the discharge will change substantially from that authorized by this Discharge Permit, the permittee shall submit construction plans and specifications to NMED for the proposed system or process unit prior to the commencement of construction.</p> <p>In the event the permittee implements changes to the wastewater system authorized by this Discharge Permit which result in only a minor effect on the character of the discharge, the permittee shall report such changes (including the submission of record drawings, where applicable) as of January 1 and June 30 of each year to NMED.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
31.	<p>CIVIL PENALTIES - Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per</p>

#	Terms and Conditions
	<p>day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
32.	<p>CRIMINAL PENALTIES – No person shall:</p> <ol style="list-style-type: none"> 1) make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the WQA; 2) falsify, tamper with or render inaccurate any monitoring device, method or record required to be maintained under the WQA; or 3) fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]</p>
33.	<p>COMPLIANCE with OTHER LAWS - Nothing in this Discharge Permit shall be construed in any way as relieving the permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
34.	<p>RIGHT to APPEAL - The permittee may file a petition for review before the WQCC on this Discharge Permit. Such petition shall be in writing to the WQCC within thirty days of the receipt of postal notice of this Discharge Permit and shall include a statement of the issues to be raised and the relief sought. Unless a timely petition for review is made, the decision of NMED shall be final and not subject to judicial review.</p>

#	Terms and Conditions
	[20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]
35.	<p>TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this facility or any portion thereof, the permittee shall:</p> <ol style="list-style-type: none"> 1) notify the proposed transferee in writing of the existence of this Discharge Permit; 2) include a copy of this Discharge Permit with the notice; and 3) deliver or send by certified mail to NMED a copy of the notification and proof that such notification has been received by the proposed transferee. <p>Until both ownership and possession of the facility have been transferred to the transferee, the permittee shall continue to be responsible for any discharge from the facility.</p> <p>[20.6.2.3111 NMAC]</p>
36.	<p>PERMIT FEES - Payment of permit fees is due at the time of Discharge Permit approval. Permit fees shall be paid in a single payment or shall be paid in equal installments on a yearly basis over the term of the Discharge Permit. Single payments shall be remitted to NMED no later than 30 days after the Discharge Permit effective date. Initial installment payments shall be remitted to NMED no later than 30 days after the Discharge Permit effective date; subsequent installment payments shall be remitted to NMED no later than the anniversary of the Discharge Permit effective date.</p> <p>Permit fees are associated with <u>issuance</u> of this Discharge Permit. Nothing in this Discharge Permit shall be construed as relieving the permittee of the obligation to pay all permit fees assessed by NMED. A permittee that ceases discharging or does not commence discharging from the facility during the term of the Discharge Permit shall pay all permit fees assessed by NMED. An approved Discharge Permit shall be suspended or terminated if the facility fails to remit an installment payment by its due date.</p> <p>[Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]</p>

West Mesa Disposal Site, DP-521

January 8, 2016

Page 16

PERMIT TERM & SIGNATURE

EFFECTIVE DATE: January 8, 2016

TERM ENDS: January 7, 2021

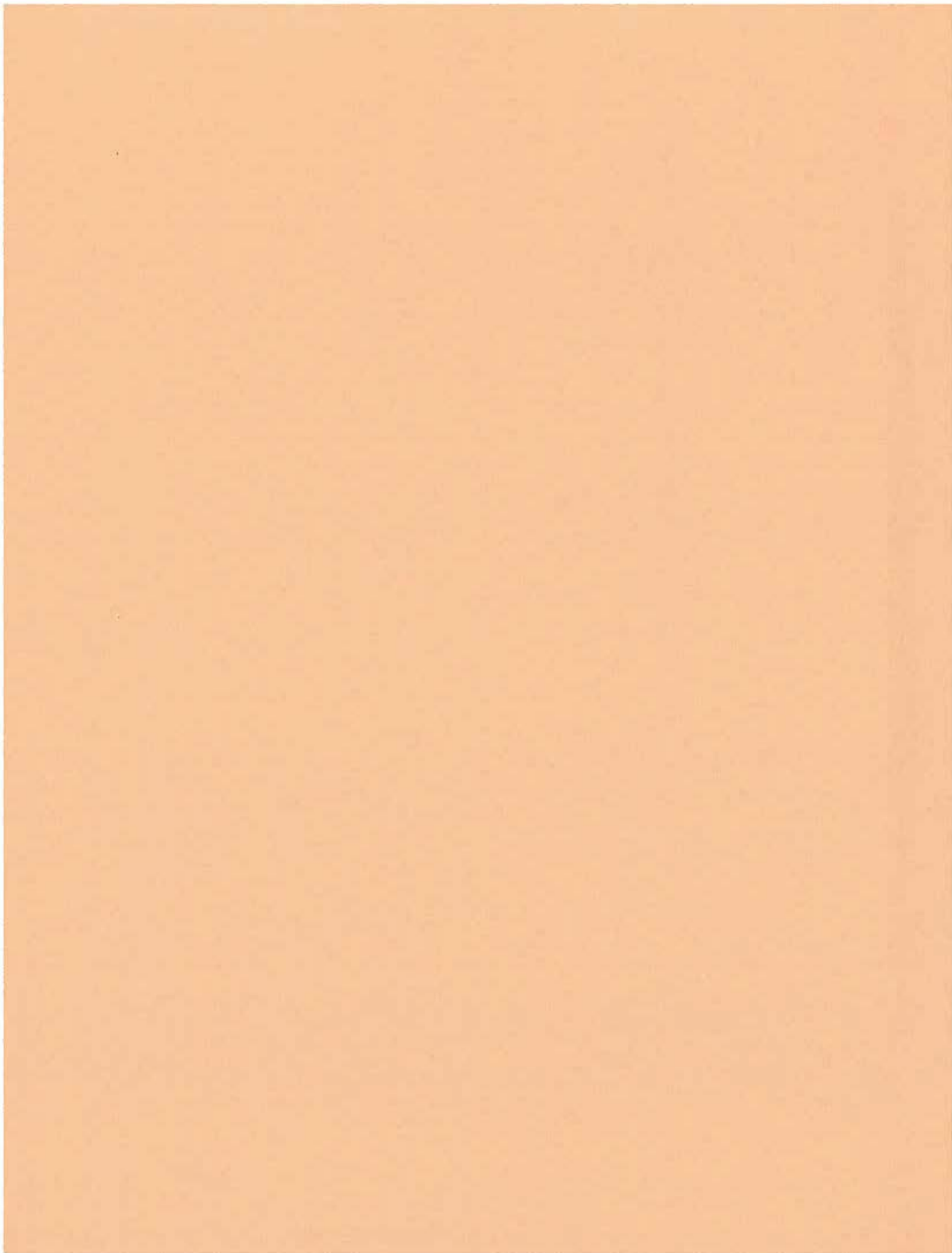
[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.I]

A handwritten signature in black ink, appearing to read 'MH', is written over a horizontal line.

MICHELLE HUNTER

Chief, Ground Water Quality Bureau

New Mexico Environment Department





Albuquerque Bernalillo County
Water Utility Authority

**Albuquerque Soils Amendment Facility
Ground Water Discharge Permit #521
2015 Annual Report**

**Submitted to the
NM Environment Department
Ground Water Quality Bureau
by the
Albuquerque Bernalillo County Water Utility Authority
Plant Operations Division**

February 24, 2015

Introduction

The Albuquerque Bernalillo County Water Utility Authority (Water Authority), Plant Operations Division operates the West Mesa Disposal Site under Ground Water Discharge Permit #521 (DP 521). This discharge permit covers the following disposal activities:

- Surface spreading followed by tilling to a depth of 18 inches of anaerobically digested, dewatered biosolids from the Southside Water Reclamation Plant (SWRP) that occurs within the boundaries of the Soils Amendment Facility (SAF) site
- Surface spreading without tilling of digested, dewatered SWRP biosolids on the nearby 5000-acre Rangeland Restoration Area (RRA)
- Inorganic grit disposal from sewer cleaning and SWRP digester cleaning operations

This report summarizes disposal activities which took place during calendar year 2015. Contents of the report are arranged as follows:

- Chemical quality of discharge,
- Calculated soil loading rates for nitrogen,
- Soil nitrogen trends, and
- Ground water Nitrate (NO₃) and Total Dissolved Solids (TDS) trends.

Discharge Quality

Dewatered biosolids were sampled monthly and submitted to the Water Authority's Water Quality Laboratory for analysis of Total Kjeldahl Nitrogen (TKN) and combined nitrate/nitrite (NO₃+NO₂) using methods described in the 19th edition of *Standard Methods for the Analysis of Water and Wastewater*. Table 1 provides a summary of the 2015 average analytical results for these parameters. The data in Table 1 show that there is essentially no nitrate or nitrite present in anaerobically digested, dewatered biosolids produced at the SWRP. Therefore, the biosolids TKN content accounts for all nitrogen applied during the year 2015.

In accordance with the requirements of 40CFR503, dewatered biosolids are sampled and analyzed for trace metals, using methods described in the 19th edition of *Standard Methods for the Analysis of Water and Wastewater*. Results of this bi-monthly testing are summarized in Table 2.

Soil Nitrogen Loading Computations

Figure 1 illustrates the overall layout of SAF site fields, including field numbers and numbered soil sampling locations. Biosolids disposal does not take place within the playa boundary or within Fields 6 and 7. Additionally, only the eastern portions of Fields 8 and 9 (jointly referred to as "Field 9") outside the central playa boundary are used for biosolids disposal. During 2015,

biosolids were applied to SAF Fields 1, 2, 3, 4, 5, 9, 10, 12, and 13 totaling approximately 270 acres. SWRP digester grit and sewer cleaning grit was applied just to the 30 acres contained in SAF Field 1.

Figure 2 shows defined application fields within the RRA, and the location of the RRA relative to the SAF. During 2015, no biosolids were applied to RRA Fields.

Table 3a is an NMED Land Application Data Sheet (LADS) for the biosolids disposed at the SAF. Table 3b is an NMED LADS for grit disposed at the SAF. Please note that the LADS forms for biosolids and grit applications have been modified from the standard NMED format to accommodate the industry practice of tracking biosolids disposal on a dry-weight basis (dry metric tons per acre) and to reflect field rotation schedules.

Soil and Ground Water Chemistry Trends

Figures 3 and 4 illustrate trends for soil concentrations of nitrate (NO₃ SS) and Total Kjeldahl Nitrogen (TKN SS) in soil samples collected annually from:

- SAF playa; a control site where biosolids are not applied – see Figure 3
- SAF disposal fields – see Figure 4

Since there was no biosolids applied to the RRA fields, no soil sampling and analysis was conducted within this area during 2015. Over the past 24 years of monitoring, year-to-year results for soil concentrations of these three nitrogen components at the Playa and SAF disposal field locations can be highly variable. Nonetheless, Figure 4 for the SAF disposal fields shows a consistent increasing trend in soil nitrate concentration in samples over the last 15 years beginning in the Year 2001. This observation is not unexpected, considering that biosolids have been continuously applied to the SAF fields since 1988.

Because the ground water table is more than 900 feet below the West Mesa Disposal Site, ground water contamination at the site is not likely. The historical trends for Nitrate-Nitrogen (NO₃) in water from the SAF on-site well shown in Figure 5 and for Total Dissolved Solids (TDS) shown in Figure 6 support a conclusion that ground water contamination has not occurred. No increases for either NO₃ or TDS levels have been observed in the SAF well samples since 1993.

A complete set of lab data collected during 2015 in accordance with DP-521 follows Page 10.

Figure 1: Soils Amendment Facility Site Plan

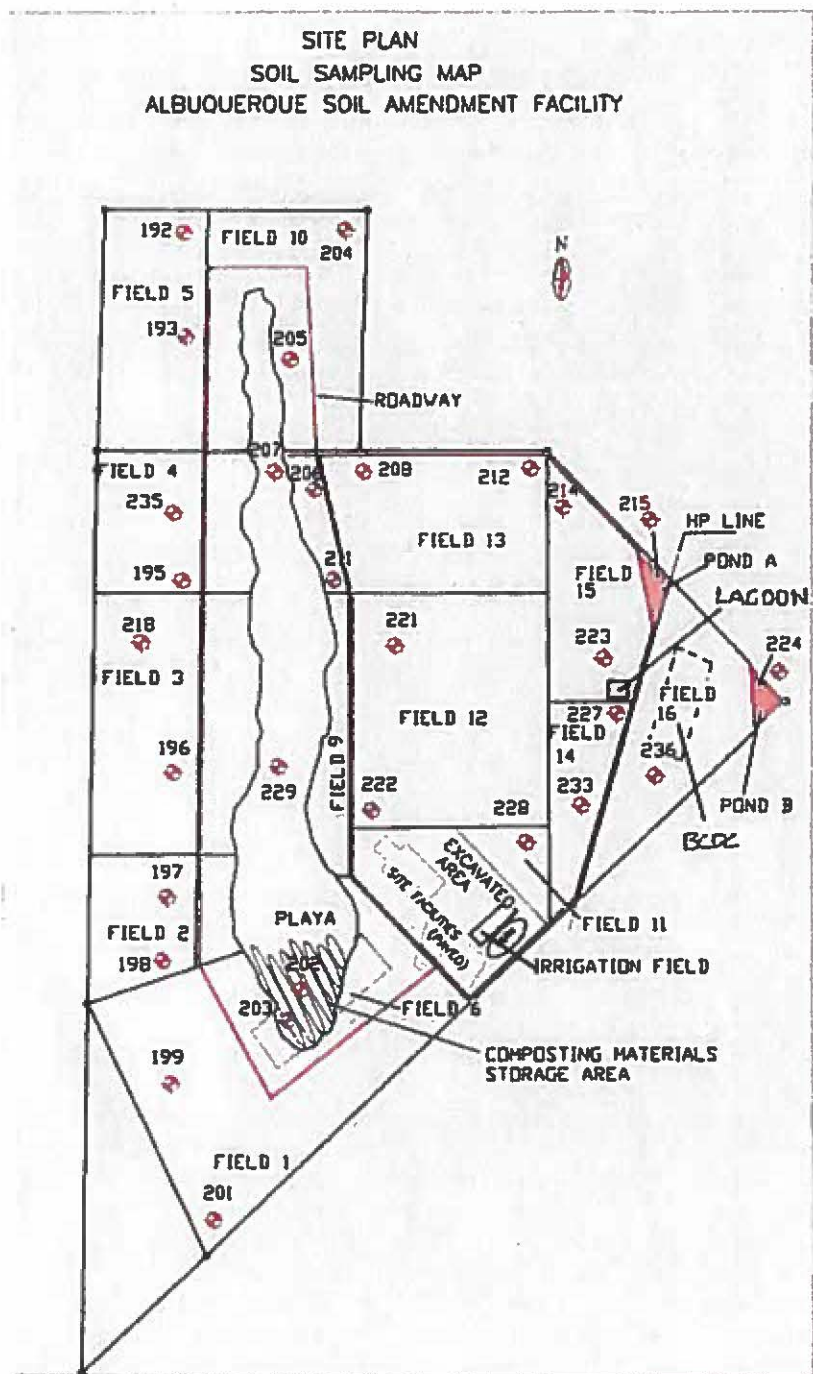


Figure 2. Range Restoration Area Plan

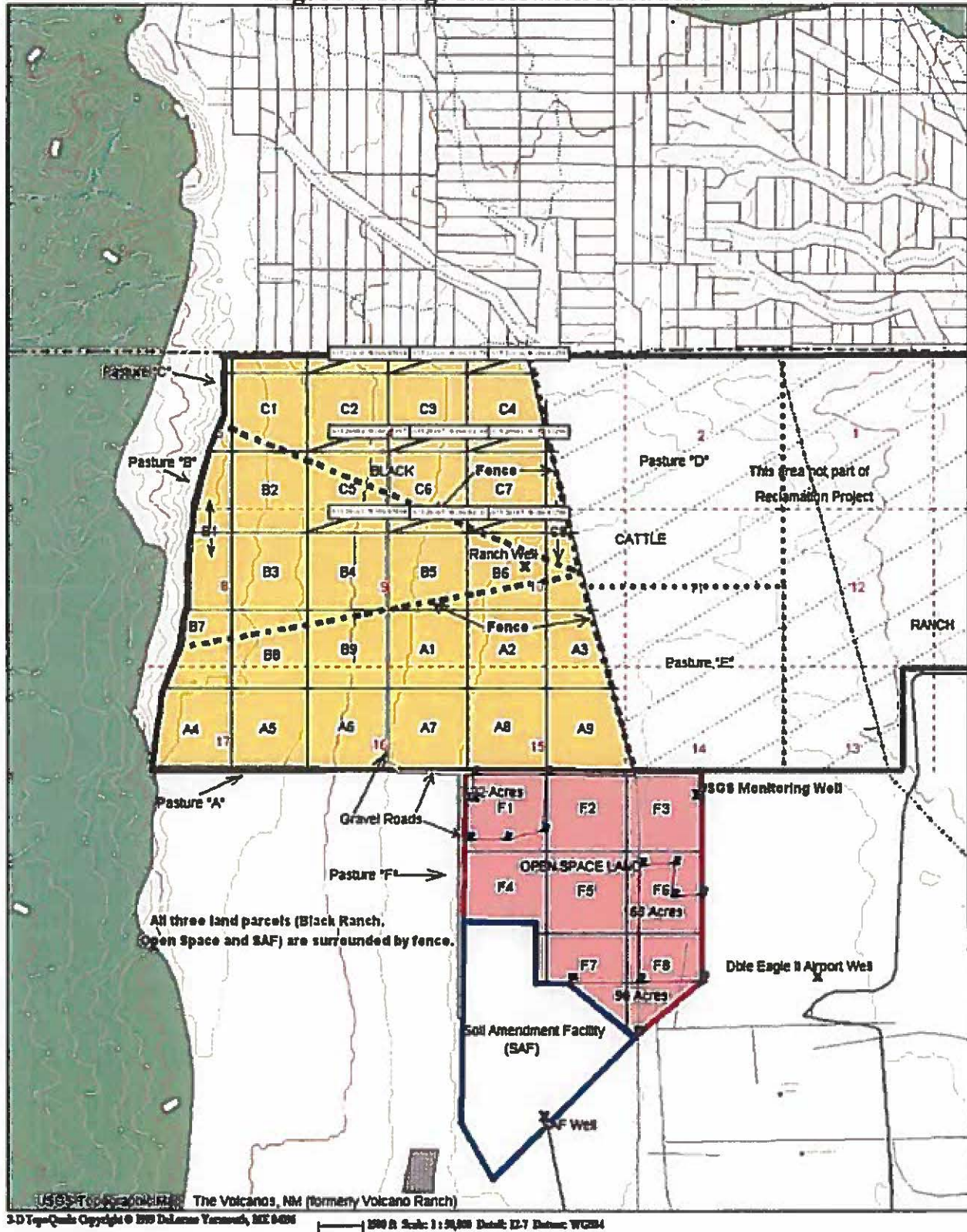


Table 1: Average Nitrogen Results for Albuquerque Dewatered Biosolids
Annual Average for 2015
 (All results expressed as mg/kg dry weight biosolids)

Parameter	Average Value
Total Kjeldahl Nitrogen	55,083 mg/kg
Ammonia	6,825 mg/kg
Nitrate-Nitrite	0.0001 mg/kg

Table 2: Average Trace Metals, Fluoride (F SS), and Cyanide (CN SS) in Albuquerque Dewatered Biosolids by Bi-Monthly Reporting Period for 2015
 (Metals in mg/kg dry weight biosolids; CN & F in mg/kg dry weight)

Biosolids Metals Results	2015 DATA												
	AS S	CD S	CN SS	CR S	CU S	F SS	HG S	MO S	NI S	PB S	SE S	TS	ZN S
1	0	1.1	0	49	490	23.8	2.6	20	33	25	0	19.8	760
2	11	1.2	0	44	440	29.1	0.71	18	23	34	0	22	680
3	0	1.2	0	51	560	0	0.93	22	28	36	0	18.4	870
4	0	1.1	2.54	49	540	48.3	0.95	33	30	36	0	19.7	970
5	0	1.1	1.8	48	530	53.6	0.57	25	28	40	0	19.8	840
6	0	0.65	0	43	460	43.2	1.3	28	32	47	17	21.9	790

Table 2 Abbreviations

AS S	Arsenic
CD S	Cadmium
CN SS	Cyanide
CR S	Chromium
CU S	Copper
F SS	Fluoride
HG S	Mercury
MO S	Molybdenum
NI S	Nickel
PB S	Lead
SE S	Selenium
TS	Total Solids
ZN S	Zinc

**Table 3a. Land Application Data Sheet
Biosolids Disposal at Soil Amendment Facility: 2015**

NEW MEXICO ENVIRONMENT DEPARTMENT - GROUND WATER SECTION									
LAND APPLICATION DATA SHEET (LADS)									
SOIL AMENDMENT FACILITY									
Field #:	<u>Listed below</u>		Acres:	<u>Listed below</u>		Report Period - From:	01 / 01 / 15	To:	12 / 31 / 15
Crop:	N/A		Yield:	N/A		Nitrogen uptake of Crop (1):	N/A		
Month 2015	Field #	Acres	A Vol. Of Effluent Applied dry metric tons (2)	B Lab Results (TKN + NO3) (3) mg/kg	C Nitrogen Concentration (B / 453.592) lbs/metric ton	D Total Nitrogen (A x C) lbs	E Nitrogen Applied (D / Acres) lbs/acre	F Means of Dissemination (Sprinkler, Drip Irrigation, etc.)	
January	F9	30	385	66,000	148	58,210	1,874	Spreading/Tilling	
February	F10	30	814	79,000	174	108,840	3,581	Spreading/Tilling	
March	F4	30	712	58,000	123	87,580	2,918	Spreading/Tilling	
April	F5	30	135	11,000	24	3,240	108	Spreading/Tilling	
May	F3	30	374	59,000	130	48,620	1,621	Spreading/Tilling	
June	F2	30	391	53,000	117	45,750	1,525	Spreading/Tilling	
July	F1	30	485	81,000	134	64,990	2,168	Spreading/Tilling	
August	F10	30	470	53,000	117	54,990	1,833	Spreading/Tilling	
September	F9	30	350	55,000	121	42,350	1,412	Spreading/Tilling	
October	F13	30	384	54,000	119	45,700	1,523	Spreading/Tilling	
November	F12	30	433	48,000	108	45,900	1,530	Spreading/Tilling	
December	F9	30	519	66,000	148	75,770	2,528	Spreading/Tilling	
TOTAL		270	5,251			677,940	<i>See Note below</i>		

(1) Contact your local County Extension Agent or Soil Conservation Service for the nitrogen uptake values that apply to specific types of crops grown in your area.

(2) Truck scale weights (in tons) multiplied by solids fraction and 0.907185

(3) From most recent lab test. - See data from Table 1 presented earlier

* Use one form per field and/or crop

* Include map showing location of field and field numbers.

Note: The total acreage to which biosolids were applied in 2015 thus totals 270 acres. The cumulative lbs per acre of nitrogen applied to different fields in 2015 ranges from 744 lbs/acre for Field F5 to 3,569 lbs/acre for Field F4

**Table 3b: Land Application Data Sheet
Grit Disposal at Soil Amendment Facility: 2015**

NEW MEXICO ENVIRONMENT DEPARTMENT - GROUND WATER SECTION LAND APPLICATION DATA SHEET (LADS) LINE CLEANING AND DIGESTER CLEANING GRIT							
Field #: <u>1</u>		Acres: <u>30</u>		Report Period - From: <u>01/01/15</u>		To: <u>12/31/15</u>	
Crop: <u>N/A</u>		Yield: <u>N/A</u>		Nitrogen uptake of Crop (1): <u>N/A</u>			
Year 2015	Month	A Vol. of Applied dry metric tons (2)	B Lab Results (TKN + NO3) (3) mg/kg	C Nitrogen Concentration (B / 453.592) lbs/metric ton	D Total Nitrogen (A x C) lbs	E Nitrogen Applied (D / Acres) lbs/acre	F Means of Dissemination (Sprinkler, Drip Irrigation, etc.)
January	1	6.13	8,145	18	110	4	Spreading/Tilling
February	2	14.82	8,145	18	266	9	Spreading/Tilling
March	3	3.84	8,145	18	69	2	Spreading/Tilling
April	4	2.71	8,145	18	49	2	Spreading/Tilling
May	5	5.74	8,145	18	103	3	Spreading/Tilling
June	6	56.25	8,145	18	1010	34	Spreading/Tilling
July	7	3.98	8,145	18	71	2	Spreading/Tilling
August	8	70.37	8,145	18	1264	42	Spreading/Tilling
September	9	1.75	8,145	18	31	1	Spreading/Tilling
October	10	65.45	8,145	18	1175	39	Spreading/Tilling
November	11	11.84	8,145	18	213	7	Spreading/Tilling
December	12	12.75	8,145	18	229	8	Spreading/Tilling
TOTAL		256			4,590	153	

(1) Contact your local County Extension Agent or Soil Conservation Service for the nitrogen uptake values that apply to specific types of crops grown in your area.

(2) Truck scale weights (in tons) multiplied by solids fraction and 0.907185

(3) From most recent lab test.

* Use one form per field and/or crop

* Include map showing location of field and field numbers.

Note: The value in column B reported of 8,145 mg/kg is the average of 10 different measurements made during the Year 2015 for nitrogen in digester grit / line cleaning debris loads hauled to the SAF Site for disposal.

Figure 3a: Soil Nitrogen Trends for SAF Playa

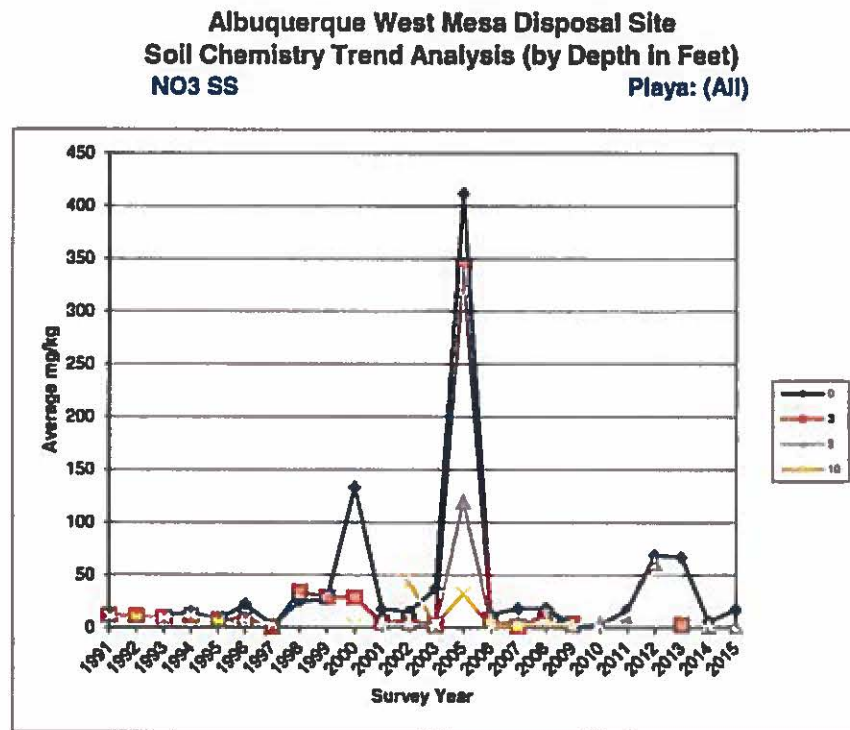


Figure 3b: Soil Total TKN Trends for SAF Playa

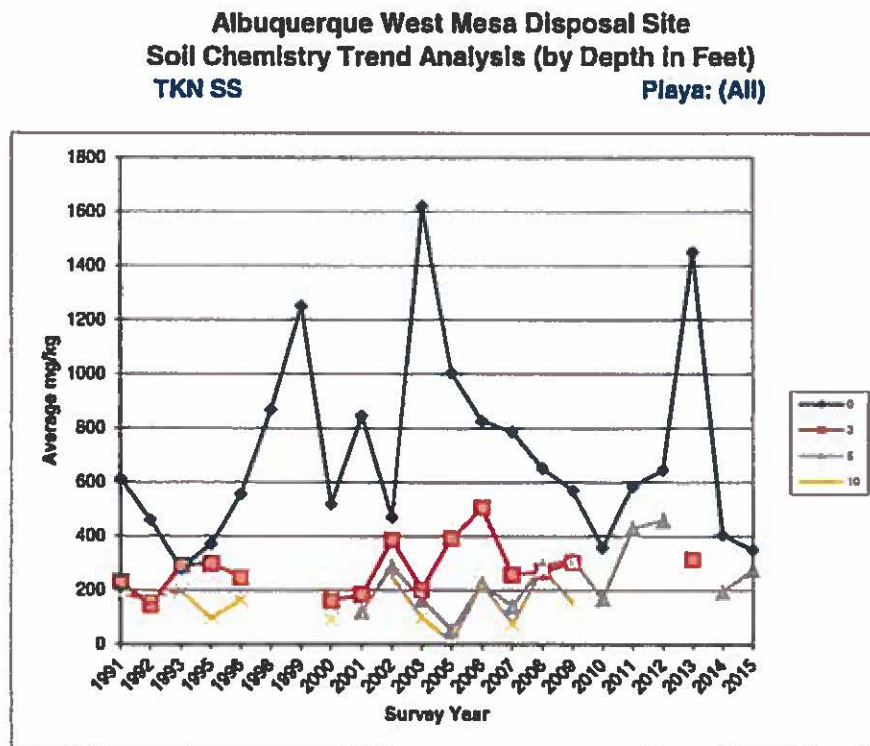


Figure 4a: Soil Nitrogen Trends for SAF Disposal Fields

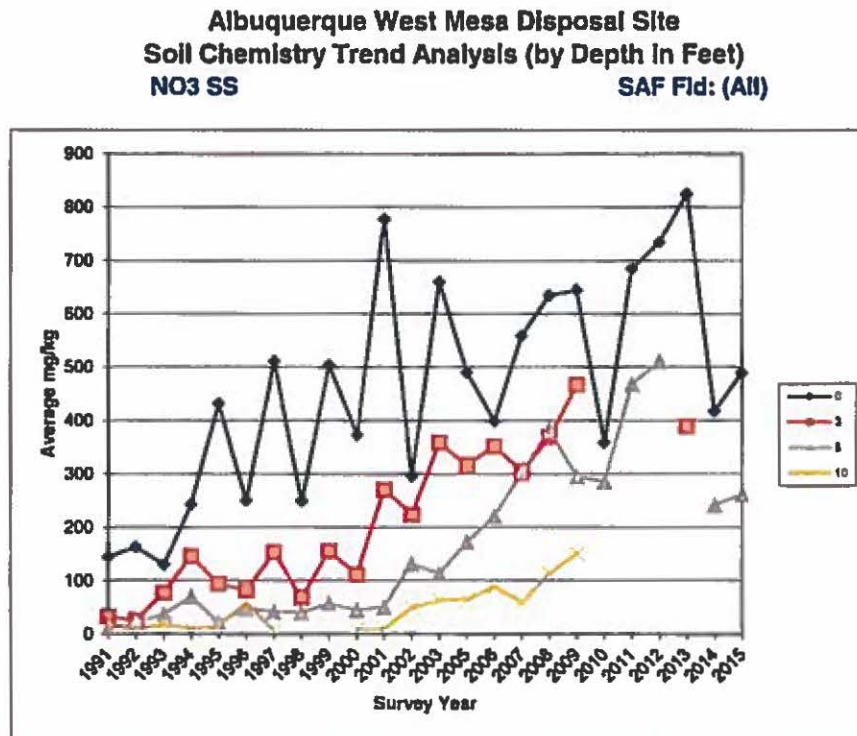
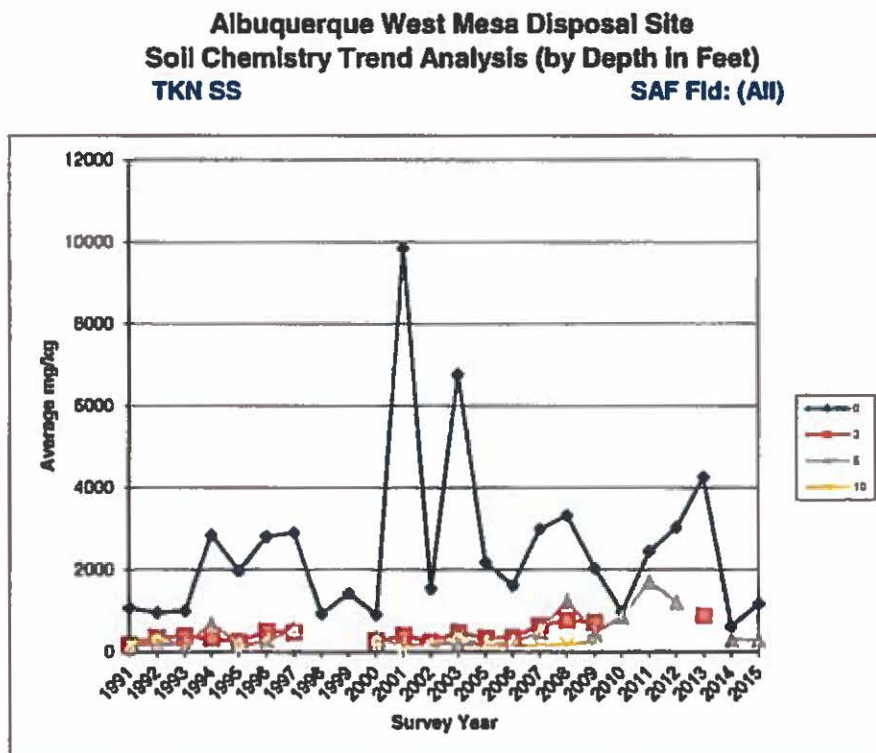
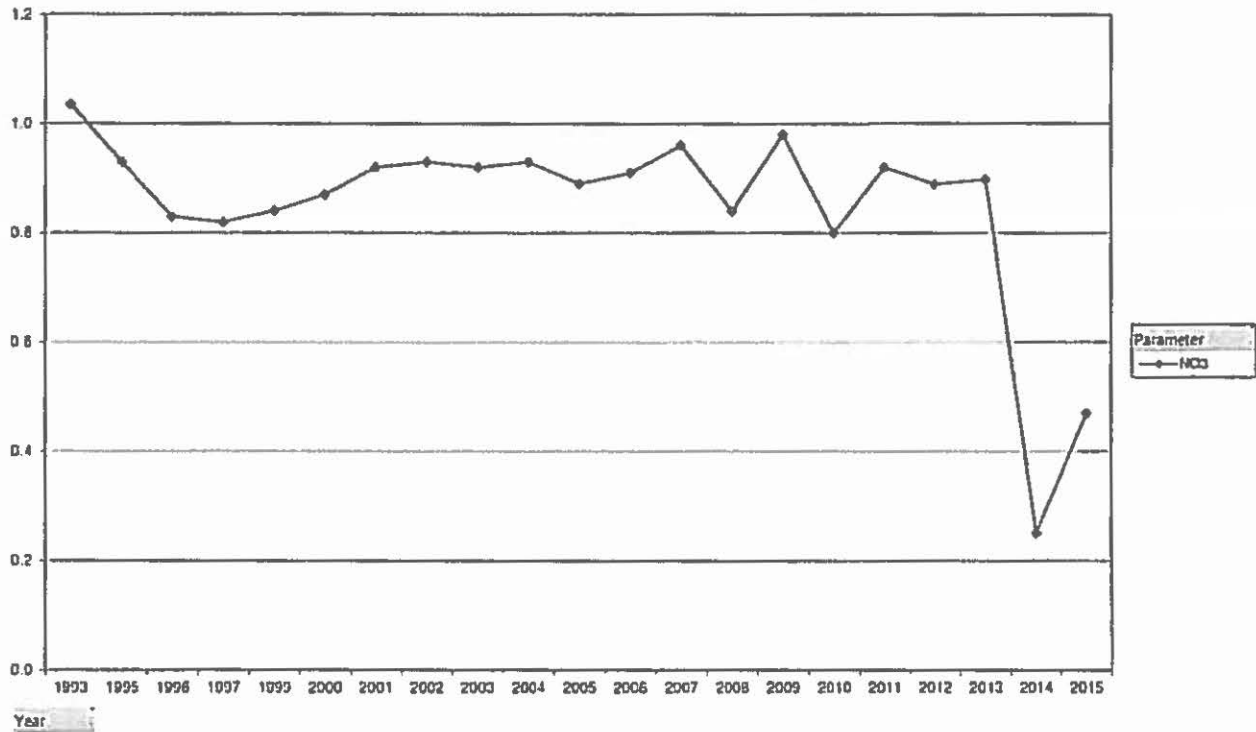


Figure 4b: Soil Total TKN Trends for SAF Disposal Fields



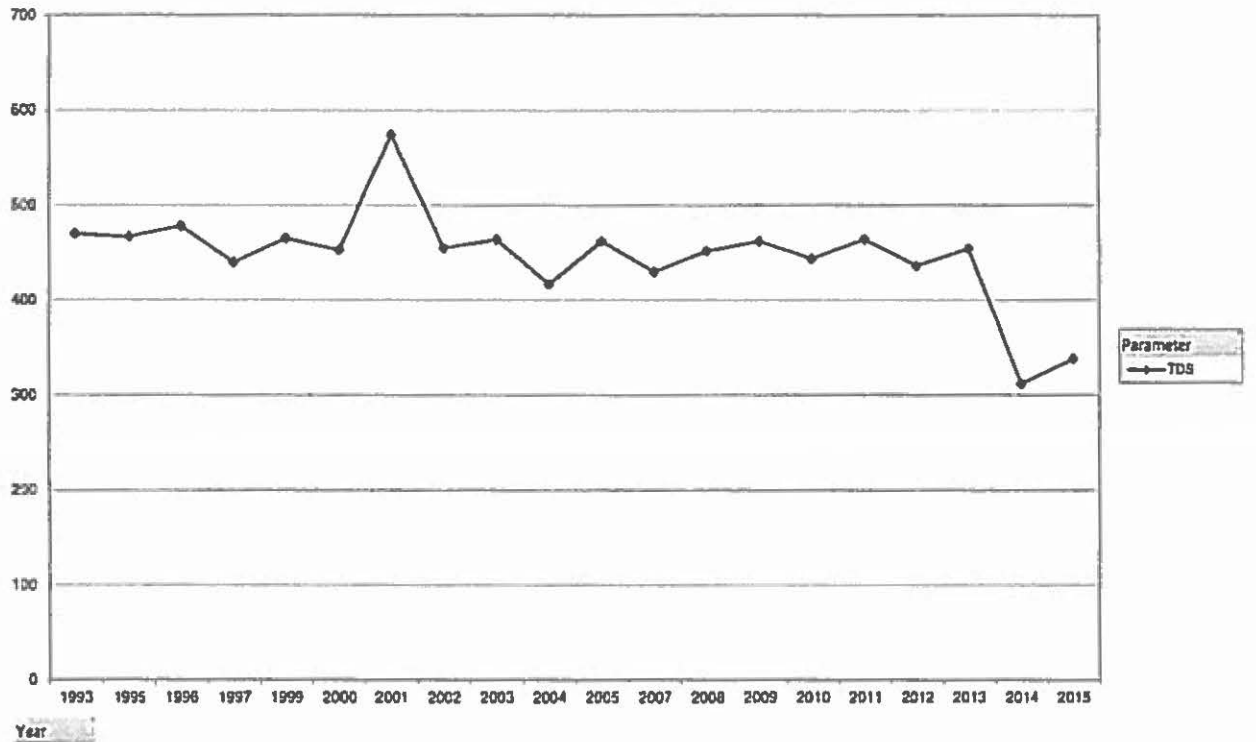
Average of Result

Figure 5
SAF On-Site Well: Nitrate Solids Concentration (mg/L) by Year



Average of Result

Figure 6
SAF On-Site Well: Total Dissolved Solids Concentration (mg/L) by Year



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	FB 8	COMPLETE	APPROVED	25	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	AE 5	COMPLETE	APPROVED	32	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	F 53	COMPLETE	APPROVED	22.8	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	TS	COMPLETE	APPROVED	19.79	%	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	CN 53	COMPLETE	APPROVED	+1.28	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	CU 8	COMPLETE	APPROVED	490	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	CO 8	COMPLETE	APPROVED	1.1	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	ZN 8	COMPLETE	APPROVED	780	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	MO 8	COMPLETE	APPROVED	20	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	SE 8	COMPLETE	APPROVED	+13	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	HQ 8	COMPLETE	APPROVED	2.8	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	CR 8	COMPLETE	APPROVED	48	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	200411282	SA NPDSMO 03	DEWCAKE	9-Jan-15	AS 8	COMPLETE	APPROVED	44	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	CR 8	COMPLETE	APPROVED	23	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	NE 8	COMPLETE	APPROVED	880	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	ZN 8	COMPLETE	APPROVED	28.68	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	F 53	COMPLETE	APPROVED	21.98	%	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	TS	COMPLETE	APPROVED	34	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	FB 8	COMPLETE	APPROVED	1.2	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	MO 8	COMPLETE	APPROVED	18	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	AS 8	COMPLETE	APPROVED	11	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	HQ 8	COMPLETE	APPROVED	0.71	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	CN 53	COMPLETE	APPROVED	+1.83	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	CU 8	COMPLETE	APPROVED	440	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	200415021	SA NPDSMO 03	DEWCAKE	5-Mar-15	SE 8	COMPLETE	APPROVED	+11	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	CN 53	COMPLETE	APPROVED	+2.9	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	F 53	COMPLETE	APPROVED	+8.8	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	TS	COMPLETE	APPROVED	18.36	%	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	NE 8	COMPLETE	APPROVED	28	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	ZN 8	COMPLETE	APPROVED	578	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	FB 8	COMPLETE	APPROVED	36	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	MO 8	COMPLETE	APPROVED	22	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	HQ 8	COMPLETE	APPROVED	0.93	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	SE 8	COMPLETE	APPROVED	+14	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	AS 8	COMPLETE	APPROVED	+14	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	CR 8	COMPLETE	APPROVED	1.2	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	CU 8	COMPLETE	APPROVED	81	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3	200416740	SA NPDSMO 03	DEWCAKE	7-May-15	SE 8	COMPLETE	APPROVED	560	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
4	200420684	SA NPDSMO 03	DEWCAKE	8-Jul-15	NE 8	COMPLETE	APPROVED	30	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
4	200420684	SA NPDSMO 03	DEWCAKE	8-Jul-15	MO 8	COMPLETE	APPROVED	33	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
4	200420684	SA NPDSMO 03	DEWCAKE	8-Jul-15	CR 8	COMPLETE	APPROVED	48	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
4	200420684	SA NPDSMO 03	DEWCAKE	8-Jul-15	AS 8	COMPLETE	APPROVED	+13	MGKG DRY WT	WYURAP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
4	200420684	SA NPDSMO 03	DEWCAKE	8-Jul-15	F 53	COMPLETE	APPROVED</																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	TS	COMPLETE	APPROVED	89	%	WUJSH
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	MO9	COMPLETE	APPROVED	4		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	AS8	COMPLETE	APPROVED	5.8		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	HS	COMPLETE	APPROVED	10		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	CD9	COMPLETE	APPROVED	0.31		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	HQ8	COMPLETE	APPROVED	0.21		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	PS9	COMPLETE	APPROVED	14		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	SE8	COMPLETE	APPROVED	-0.8		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	ZN8	COMPLETE	APPROVED	240		MGKG DRY WT
2	200417497	SA COMCH-HA 03	PCFCW099	4/5/2015	CD8	COMPLETE	APPROVED	-0.58		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	SE9	COMPLETE	APPROVED	0.35		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	17		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	HQ8	COMPLETE	APPROVED	0.12		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	AS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	HS	COMPLETE	APPROVED	12		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	68	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED	65	%	WUJSH
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CU8	COMPLETE	APPROVED	150		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	ZN8	COMPLETE	APPROVED	270		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	MO9	COMPLETE	APPROVED	9.2		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	CR8	COMPLETE	APPROVED	19		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	PS8	COMPLETE	APPROVED	18		MGKG DRY WT
2	200418574	SA COMCH-HA 03	PCFCW099	5/5/2015	TS	COMPLETE	APPROVED			

Enclosure 2

Requested Modifications to Permit Conditions
for

Albuquerque Bernalillo County Water Utility
Authority

Southside Water Reclamation Plant

Permit No. NM0022250

ENCLOSURE 2

REQUESTED MODIFICATIONS TO PERMIT CONDITIONS FOR ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY SOUTHSIDE WATER RECLAMATION PLANT PERMIT NO. NM0022250

1. Decrease frequency of Mercury monitoring.

Section A.1 of Part I of the current permit requires monitoring the effluent weekly for mercury using EPA Method 1631E. This method measures mercury to 0.0002 micrograms per liter ($\mu\text{g/L}$). The analytical costs for this monitoring is approximately \$720 per week including blanks and duplicates. Weekly monitoring results between October 2012 and December 2016 show only two (2) exceedances of the limit (2 out of 222 results). The Water Authority requests a reduced monitoring frequency.

2. Change of Mercury monitoring from composite to grab.

In addition, Section A.1 of Part I of the current permit requires a 24-hour flow-weighted composite sample for the mercury monitoring. Because of the nature of this monitoring, composite sampling is challenging due to a high potential for atmospheric contamination. EPA Method 1631E highlights grab sampling as an appropriate collection type. The Water Authority requests a change to grab sample for the sample type.

3. Removal of Total Residual Chlorine (TRC) monitoring.

Section A.1 of Part I of the current permit requires daily grab samples for TRC. Disinfection is performed by a state of the art ultraviolet disinfection system. No chlorine is used in the wastewater treatment process. Daily monitoring results between October 2012 and December 2016 show that TRC has not been detected in the effluent. The plant reuse water is chlorinated with sodium hypochlorite contained in a separate building. The Water Authority requests that TRC monitoring and the associated effluent limitation be removed from the permit.

4. Removal of Arsenic monitoring.

The current permit requires monthly monitoring for arsenic. Arsenic levels are very low. The Water Authority requests that the monitoring requirement be removed or the monitoring frequency be reduced.

5. Change in pH monitoring from grab to continuous.

Section A.1 of Part I of the current permit requires an instantaneous grab sample for pH. The Water Authority requests continuous pH monitoring instead of grab as allowed by 40 CFR 401.17.

6. Decrease frequency of Whole Effluent Toxicity testing.

Section A.1 of Part I of the current permit requires quarterly monitoring of the effluent for Whole Effluent Toxicity. No toxicity has been identified in 17 tests conducted between October 2012 and December 2016. As provided in Section 4 of Part II, Appendix B of the current permit, the Water Authority requests the monitoring frequency be reduced to annual for both species (*Pimephales promelas* and *Ceriodaphnia dubia*) as no toxicity has been identified for either species.

7. Notification of Sanitary Sewer Overflows.

Section C.6 of Part I of the current permit requires the Water Authority to notify by telephone the Pueblo of Isleta and New Mexico Environment Department (NMED) of “any noncompliance which may endanger health or the environment”. The Water Authority has been contacting those entities for each overflow event. In the majority of cases, a live person doesn’t answer the call and a message is left. Email addresses have been provided for both entities and an email notification is forwarded shortly after the phone calls are made along with the notification to EPA Region 6. The Water Authority requests that the notification requirement be changed to email only to all parties.

In addition, most overflows do not reach a storm drain or the receiving water (the Rio Grande). Therefore, the Water Authority requests that this provision be changed to require notification to all parties only for instances when the overflows reach the Rio Grande.

8. Removal of notification for overflows on the SWRP plant site.

In addition, Section C.6 of Part I of the current permit has been interpreted to mean that overflows that occur within the Southside Water Reclamation Plant site must also be reported. In 2015, the Water Authority plugged the storm drains on the plant site. Because there is no potential discharge of overflows from the SWRP to a Waters of the United States, the Water Authority requests that the requirement for notification of overflows apply only to overflows from the sanitary sewer.